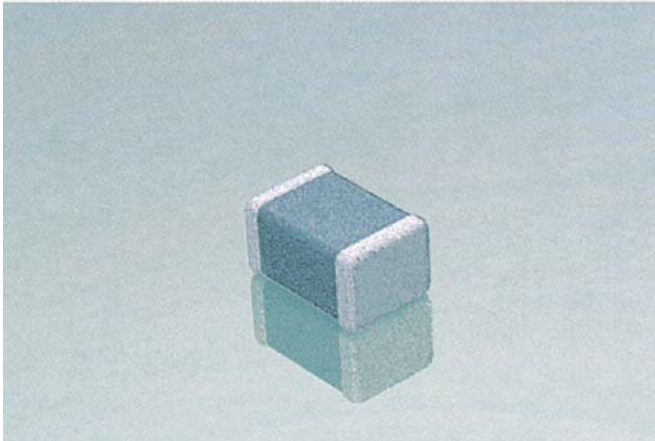


# C0G (NP0) Dielectric



## General Specifications



C0G (NP0) is the most popular formulation of the "temperature-compensating," EIA Class I ceramic materials. Modern C0G (NP0) formulations contain neodymium, samarium and other rare earth oxides.

C0G (NP0) ceramics offer one of the most stable capacitor dielectrics available. Capacitance change with temperature is  $0 \pm 30 \text{ ppm}/^\circ\text{C}$  which is less than  $\pm 0.3\% \Delta C$  from  $-55^\circ\text{C}$  to  $+125^\circ\text{C}$ . Capacitance drift or hysteresis for C0G (NP0) ceramics is negligible at less than  $\pm 0.05\%$  versus up to  $\pm 2\%$  for films. Typical capacitance change with life is less than  $\pm 0.1\%$  for C0G (NP0), one-fifth that shown by most other dielectrics. C0G (NP0) formulations show no aging characteristics.

## PART NUMBER (see page 2 for complete part number explanation)

**0805**

**Size**  
(L" x W")

**5**

**Voltage**  
6.3V = 6  
10V = Z  
16V = Y  
25V = 3  
50V = 5  
100V = 1  
200V = 2  
500V = 7

**A**

**Dielectric**  
C0G (NP0) = A

**101**

**Capacitance Code (In pF)**  
2 Sig. Digits + Number of Zeros

**J**

**Capacitance Tolerance**  
B =  $\pm 10 \text{ pF}$  ( $< 10 \text{ pF}$ )  
C =  $\pm 25 \text{ pF}$  ( $< 10 \text{ pF}$ )  
D =  $\pm 50 \text{ pF}$  ( $< 10 \text{ pF}$ )  
F =  $\pm 1\%$  ( $\geq 10 \text{ pF}$ )  
G =  $\pm 2\%$  ( $\geq 10 \text{ pF}$ )  
J =  $\pm 5\%$   
K =  $\pm 10\%$

**A**

**Failure Rate**  
A = Not Applicable

**T**

**Terminations**  
T = Plated Ni and Sn  
7 = Gold Plated  
  
**Contact Factory For**  
1 = Pd/Ag Term

**2**

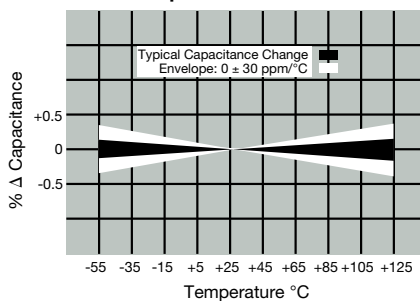
**Packaging**  
2 = 7" Reel  
4 = 13" Reel  
7 = Bulk Cass.  
9 = Bulk

**A**

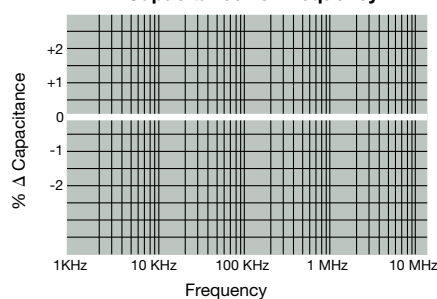
**Special Code**  
A = Std. Product

NOTE: Contact factory for availability of Termination and Tolerance Options for Specific Part Numbers.  
Contact factory for non-specified capacitance values.

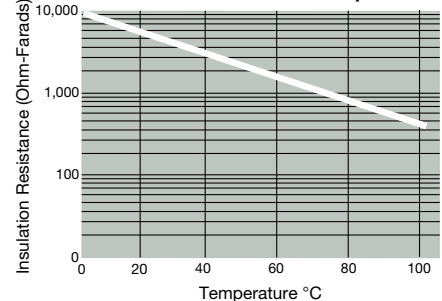
**Temperature Coefficient**



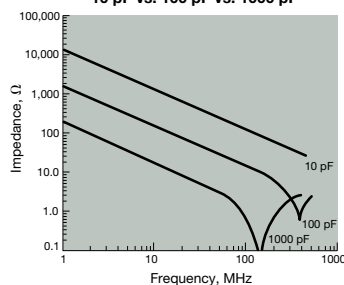
**Δ Capacitance vs. Frequency**



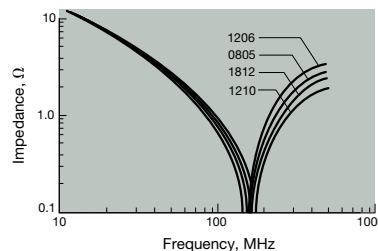
**Insulation Resistance vs Temperature**



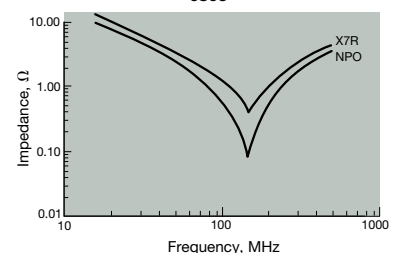
**Variation of Impedance with Cap Value**  
Impedance vs. Frequency  
0805 - C0G (NP0)  
10 pF vs. 100 pF vs. 1000 pF



**Variation of Impedance with Chip Size**  
Impedance vs. Frequency  
1000 pF - C0G (NP0)



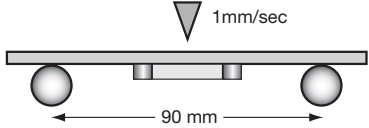
**Variation of Impedance with Ceramic Formulation**  
Impedance vs. Frequency  
1000 pF - C0G (NP0) vs X7R 0805



# C0G (NP0) Dielectric



## Specifications and Test Methods

| Parameter/Test                       |                       | NP0 Specification Limits                                                                            | Measuring Conditions                                                                                                                                                                                                                               |                    |
|--------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Operating Temperature Range          |                       | -55°C to +125°C                                                                                     | Temperature Cycle Chamber                                                                                                                                                                                                                          |                    |
| Capacitance                          |                       | Within specified tolerance                                                                          | Freq.: 1.0 MHz $\pm$ 10% for cap $\leq$ 1000 pF<br>1.0 kHz $\pm$ 10% for cap > 1000 pF<br>Voltage: 1.0Vrms $\pm$ .2V                                                                                                                               |                    |
| Q                                    |                       | <30 pF: Q $\geq$ 400+20 x Cap Value<br>$\geq$ 30 pF: Q $\geq$ 1000                                  |                                                                                                                                                                                                                                                    |                    |
| Insulation Resistance                |                       | 100,000M $\Omega$ or 1000M $\Omega$ - $\mu$ F,<br>whichever is less                                 | Charge device with rated voltage for<br>60 $\pm$ 5 secs @ room temp/humidity                                                                                                                                                                       |                    |
| Dielectric Strength                  |                       | No breakdown or visual defects                                                                      | Charge device with 300% of rated voltage for<br>1-5 seconds, w/charge and discharge current<br>limited to 50 mA (max)<br>Note: Charge device with 150% of rated<br>voltage for 500V devices.                                                       |                    |
| Resistance to<br>Flexure<br>Stresses | Appearance            | No defects                                                                                          | Deflection: 2mm<br>Test Time: 30 seconds<br>                                                                                                                    |                    |
|                                      | Capacitance Variation | $\pm$ 5% or $\pm$ .5 pF, whichever is greater                                                       |                                                                                                                                                                                                                                                    |                    |
|                                      | Q                     | Meets Initial Values (As Above)                                                                     |                                                                                                                                                                                                                                                    |                    |
|                                      | Insulation Resistance | $\geq$ Initial Value x 0.3                                                                          |                                                                                                                                                                                                                                                    |                    |
| Solderability                        |                       | $\geq$ 95% of each terminal should be covered<br>with fresh solder                                  | Dip device in eutectic solder at 230 $\pm$ 5°C<br>for 5.0 $\pm$ 0.5 seconds                                                                                                                                                                        |                    |
| Resistance to<br>Solder Heat         | Appearance            | No defects, <25% leaching of either end terminal                                                    | Dip device in eutectic solder at 260°C for 60<br>seconds. Store at room temperature for 24 $\pm$ 2<br>hours before measuring electrical properties.                                                                                                |                    |
|                                      | Capacitance Variation | $\leq$ $\pm$ 2.5% or $\pm$ .25 pF, whichever is greater                                             |                                                                                                                                                                                                                                                    |                    |
|                                      | Q                     | Meets Initial Values (As Above)                                                                     |                                                                                                                                                                                                                                                    |                    |
|                                      | Insulation Resistance | Meets Initial Values (As Above)                                                                     |                                                                                                                                                                                                                                                    |                    |
|                                      | Dielectric Strength   | Meets Initial Values (As Above)                                                                     |                                                                                                                                                                                                                                                    |                    |
| Thermal Shock                        | Appearance            | No visual defects                                                                                   | Step 1: -55°C $\pm$ 2°                                                                                                                                                                                                                             | 30 $\pm$ 3 minutes |
|                                      | Capacitance Variation | $\leq$ $\pm$ 2.5% or $\pm$ .25 pF, whichever is greater                                             | Step 2: Room Temp                                                                                                                                                                                                                                  | $\leq$ 3 minutes   |
|                                      | Q                     | Meets Initial Values (As Above)                                                                     | Step 3: +125°C $\pm$ 2°                                                                                                                                                                                                                            | 30 $\pm$ 3 minutes |
|                                      | Insulation Resistance | Meets Initial Values (As Above)                                                                     | Step 4: Room Temp                                                                                                                                                                                                                                  | $\leq$ 3 minutes   |
|                                      | Dielectric Strength   | Meets Initial Values (As Above)                                                                     | Repeat for 5 cycles and measure after<br>24 hours at room temperature                                                                                                                                                                              |                    |
| Load Life                            | Appearance            | No visual defects                                                                                   | Charge device with twice rated voltage in<br>test chamber set at 125°C $\pm$ 2°C<br>for 1000 hours (+48, -0).<br><br>Remove from test chamber and stabilize at<br>room temperature for 24 hours<br>before measuring.                               |                    |
|                                      | Capacitance Variation | $\leq$ $\pm$ 3.0% or $\pm$ .3 pF, whichever is greater                                              |                                                                                                                                                                                                                                                    |                    |
|                                      | Q<br>(C=Nominal Cap)  | $\geq$ 30 pF: Q $\geq$ 350<br>$\geq$ 10 pF, <30 pF: Q $\geq$ 275 +5C/2<br><10 pF: Q $\geq$ 200 +10C |                                                                                                                                                                                                                                                    |                    |
|                                      | Insulation Resistance | $\geq$ Initial Value x 0.3 (See Above)                                                              |                                                                                                                                                                                                                                                    |                    |
|                                      | Dielectric Strength   | Meets Initial Values (As Above)                                                                     |                                                                                                                                                                                                                                                    |                    |
| Load Humidity                        | Appearance            | No visual defects                                                                                   | Store in a test chamber set at 85°C $\pm$ 2°C/<br>85% $\pm$ 5% relative humidity for 1000 hours<br>(+48, -0) with rated voltage applied.<br><br>Remove from chamber and stabilize at<br>room temperature for 24 $\pm$ 2 hours<br>before measuring. |                    |
|                                      | Capacitance Variation | $\leq$ $\pm$ 5.0% or $\pm$ .5 pF, whichever is greater                                              |                                                                                                                                                                                                                                                    |                    |
|                                      | Q                     | $\geq$ 30 pF: Q $\geq$ 350<br>$\geq$ 10 pF, <30 pF: Q $\geq$ 275 +5C/2<br><10 pF: Q $\geq$ 200 +10C |                                                                                                                                                                                                                                                    |                    |
|                                      | Insulation Resistance | $\geq$ Initial Value x 0.3 (See Above)                                                              |                                                                                                                                                                                                                                                    |                    |
|                                      | Dielectric Strength   | Meets Initial Values (As Above)                                                                     |                                                                                                                                                                                                                                                    |                    |

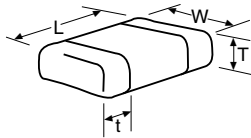
# C0G (NP0) Dielectric

## Capacitance Range



### PREFERRED SIZES ARE SHADED

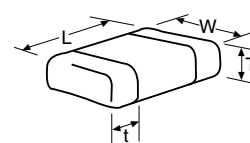
| SIZE           |          | 01005                        |   | 0201                        |    | 0402                        |    | 0603                        |    |              |     | 0805                        |    |              |     |              | 1206                        |              |    |              |     |              |     |              |  |              |  |              |  |
|----------------|----------|------------------------------|---|-----------------------------|----|-----------------------------|----|-----------------------------|----|--------------|-----|-----------------------------|----|--------------|-----|--------------|-----------------------------|--------------|----|--------------|-----|--------------|-----|--------------|--|--------------|--|--------------|--|
| Soldering      |          | Reflow Only                  |   | Reflow Only                 |    | Reflow/Wave                 |    | Reflow/Wave                 |    |              |     | Reflow/Wave                 |    |              |     |              | Reflow/Wave                 |              |    |              |     |              |     |              |  |              |  |              |  |
| Packaging      |          | All Paper                    |   | All Paper                   |    | All Paper                   |    | All Paper                   |    |              |     | Paper/Embossed              |    |              |     |              | Paper/Embossed              |              |    |              |     |              |     |              |  |              |  |              |  |
| (L) Length     | mm (in.) | 0.40 ± 0.02 (0.016 ± 0.0008) |   | 0.60 ± 0.03 (0.024 ± 0.001) |    | 1.00 ± 0.10 (0.040 ± 0.004) |    | 1.60 ± 0.15 (0.063 ± 0.006) |    |              |     | 2.01 ± 0.20 (0.079 ± 0.008) |    |              |     |              | 3.20 ± 0.20 (0.126 ± 0.008) |              |    |              |     |              |     |              |  |              |  |              |  |
| (W) Width      | mm (in.) | 0.20 ± 0.02 (0.008 ± 0.0008) |   | 0.30 ± 0.03 (0.011 ± 0.001) |    | 0.50 ± 0.10 (0.020 ± 0.004) |    | 0.81 ± 0.15 (0.032 ± 0.006) |    |              |     | 1.25 ± 0.20 (0.049 ± 0.008) |    |              |     |              | 1.60 ± 0.20 (0.063 ± 0.008) |              |    |              |     |              |     |              |  |              |  |              |  |
| (t) Terminal   | mm (in.) | 0.10 ± 0.04 (0.004 ± 0.016)  |   | 0.15 ± 0.05 (0.006 ± 0.002) |    | 0.25 ± 0.15 (0.010 ± 0.006) |    | 0.35 ± 0.15 (0.014 ± 0.006) |    |              |     | 0.50 ± 0.25 (0.020 ± 0.010) |    |              |     |              | 0.50 ± 0.25 (0.020 ± 0.010) |              |    |              |     |              |     |              |  |              |  |              |  |
| WVDC           |          | 16                           |   | 25                          | 50 | 16                          | 25 | 50                          | 16 | 25           | 50  | 100                         | 16 | 25           | 50  | 100          | 200                         | 16           | 25 | 50           | 100 | 200          | 500 |              |  |              |  |              |  |
| Cap (pF)       | 0.5      |                              |   | A                           |    | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            | J   |              |  |              |  |              |  |
|                | 1.0      | B                            |   | A                           |    | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 1.2      | B                            |   | A                           |    | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 1.5      | B                            |   | A                           | A  | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 1.8      | B                            |   | A                           | A  | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 2.2      | B                            |   | A                           | A  | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 2.7      | B                            |   | A                           | A  | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 3.3      | B                            |   | A                           | A  | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 3.9      | B                            |   | A                           | A  | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 4.7      | B                            |   | A                           | A  | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 5.6      | B                            |   | A                           | A  | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 6.8      | B                            |   | A                           | A  | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 8.2      | B                            |   | A                           | A  | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 10       | B                            |   | A                           | A  | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 12       | B                            |   | A                           | A  | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 15       | B                            |   | A                           | A  | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 18       | B                            |   | A                           | A  | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 22       | B                            |   | A                           | A  | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
| 27             |          |                              | A | A                           | C  | C                           | C  | G                           | G  | G            | G   | J                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 33       |                              |   | A                           | A  | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 39       |                              |   | A                           |    | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 47       |                              |   |                             |    | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 56       |                              |   | A                           |    | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 68       |                              |   | A                           |    | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 82       |                              |   | A                           |    | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 100      |                              |   | A                           |    | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 120      |                              |   |                             |    | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 150      |                              |   |                             |    | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 180      |                              |   |                             |    | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | J            |     |              |  |              |  |              |  |
|                | 220      |                              |   |                             |    | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | J                           | J            | J  | J            | J   | M            |     |              |  |              |  |              |  |
|                | 270      |                              |   |                             |    | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | M                           | J            | J  | J            | J   | M            |     |              |  |              |  |              |  |
|                | 330      |                              |   |                             |    | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | M                           | J            | J  | J            | J   | M            |     |              |  |              |  |              |  |
|                | 390      |                              |   |                             |    | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | M                           | J            | J  | J            | J   | M            |     |              |  |              |  |              |  |
|                | 470      |                              |   |                             |    | C                           | C  | C                           | G  | G            | G   | G                           | J  | J            | J   | J            | M                           | J            | J  | J            | J   | M            |     |              |  |              |  |              |  |
|                | 560      |                              |   |                             |    |                             |    |                             | G  | G            | G   | G                           | J  | J            | J   | J            | M                           | J            | J  | J            | J   | M            |     |              |  |              |  |              |  |
|                | 680      |                              |   |                             |    |                             |    |                             | G  | G            | G   | G                           | J  | J            | J   | J            |                             | J            | J  | J            | J   | P            |     |              |  |              |  |              |  |
|                | 820      |                              |   |                             |    |                             |    |                             | G  | G            | G   | G                           | J  | J            | J   | J            |                             | J            | J  | J            | M   |              |     |              |  |              |  |              |  |
|                | 1000     |                              |   |                             |    |                             |    |                             | G  | G            | G   | G                           | J  | J            | J   | J            |                             | J            | J  | J            | J   |              |     |              |  |              |  |              |  |
|                | 1200     |                              |   |                             |    |                             |    |                             |    |              |     |                             | J  | J            | J   | J            |                             | J            | J  | J            | J   |              |     |              |  |              |  |              |  |
|                | 1500     |                              |   |                             |    |                             |    |                             |    |              |     |                             | J  | J            | J   | J            |                             | J            | J  | J            | Q   |              |     |              |  |              |  |              |  |
|                | 1800     |                              |   |                             |    |                             |    |                             |    |              |     |                             | J  | J            | J   | J            |                             | J            | J  | M            | Q   |              |     |              |  |              |  |              |  |
|                | 2200     |                              |   |                             |    |                             |    |                             |    |              |     |                             | J  | J            | J   | N            |                             | J            | J  | M            | P   |              |     |              |  |              |  |              |  |
|                | 2700     |                              |   |                             |    |                             |    |                             |    |              |     |                             | J  | J            | J   | N            |                             | J            | J  | M            | P   |              |     |              |  |              |  |              |  |
|                | 3300     |                              |   |                             |    |                             |    |                             |    |              |     |                             | J  | J            |     |              |                             | J            | J  | M            | P   |              |     |              |  |              |  |              |  |
|                | 3900     |                              |   |                             |    |                             |    |                             |    |              |     |                             | J  | J            |     |              |                             | J            | J  | M            | P   |              |     |              |  |              |  |              |  |
| 4700           |          |                              |   |                             |    |                             |    |                             |    |              |     | J                           | J  | J            |     |              | J                           | J            | M  | P            |     |              |     |              |  |              |  |              |  |
|                | 5600     |                              |   |                             |    |                             |    |                             |    |              |     |                             |    |              |     |              |                             | J            | J  | M            |     |              |     |              |  |              |  |              |  |
|                | 6800     |                              |   |                             |    |                             |    |                             |    |              |     |                             |    |              |     |              |                             | M            | M  |              |     |              |     |              |  |              |  |              |  |
|                | 8200     |                              |   |                             |    |                             |    |                             |    |              |     |                             |    |              |     |              |                             | M            | M  |              |     |              |     |              |  |              |  |              |  |
|                | Cap (μF) | 0.010                        |   |                             |    |                             |    |                             |    |              |     |                             |    |              |     |              |                             | M            | M  |              |     |              |     |              |  |              |  |              |  |
|                | 0.012    |                              |   |                             |    |                             |    |                             |    |              |     |                             |    |              |     |              |                             |              |    |              |     |              |     |              |  |              |  |              |  |
|                | 0.015    |                              |   |                             |    |                             |    |                             |    |              |     |                             |    |              |     |              |                             |              |    |              |     |              |     |              |  |              |  |              |  |
|                | 0.018    |                              |   |                             |    |                             |    |                             |    |              |     |                             |    |              |     |              |                             |              |    |              |     |              |     |              |  |              |  |              |  |
|                | 0.022    |                              |   |                             |    |                             |    |                             |    |              |     |                             |    |              |     |              |                             |              |    |              |     |              |     |              |  |              |  |              |  |
|                | 0.027    |                              |   |                             |    |                             |    |                             |    |              |     |                             |    |              |     |              |                             |              |    |              |     |              |     |              |  |              |  |              |  |
|                | 0.033    |                              |   |                             |    |                             |    |                             |    |              |     |                             |    |              |     |              |                             |              |    |              |     |              |     |              |  |              |  |              |  |
|                | 0.039    |                              |   |                             |    |                             |    |                             |    |              |     |                             |    |              |     |              |                             |              |    |              |     |              |     |              |  |              |  |              |  |
|                | 0.047    |                              |   |                             |    |                             |    |                             |    |              |     |                             |    |              |     |              |                             |              |    |              |     |              |     |              |  |              |  |              |  |
|                | 0.068    |                              |   |                             |    |                             |    |                             |    |              |     |                             |    |              |     |              |                             |              |    |              |     |              |     |              |  |              |  |              |  |
|                | 0.082    |                              |   |                             |    |                             |    |                             |    |              |     |                             |    |              |     |              |                             |              |    |              |     |              |     |              |  |              |  |              |  |
|                | 0.1      |                              |   |                             |    |                             |    |                             |    |              |     |                             |    |              |     |              |                             |              |    |              |     |              |     |              |  |              |  |              |  |
| WVDC           |          | 25                           |   | 50                          | 16 | 25                          | 50 | 16                          | 25 | 50           | 100 | 16                          | 25 | 50           | 100 | 200          | 16                          | 25           | 50 | 100          | 200 | 500          |     |              |  |              |  |              |  |
| SIZE           |          | 01005                        |   | 0201                        |    | 0402                        |    | 0603                        |    |              |     | 0805                        |    |              |     |              | 1206                        |              |    |              |     |              |     |              |  |              |  |              |  |
| Letter         |          | A                            |   | B                           |    | C                           |    | E                           |    | G            |     | J                           |    | K            |     | M            |                             | N            |    | P            |     | Q            |     | X            |  | Y            |  | Z            |  |
| Max. Thickness |          | 0.33 (0.013)                 |   | 0.22 (0.009)                |    | 0.56 (0.022)                |    | 0.71 (0.028)                |    | 0.90 (0.035) |     | 0.94 (0.037)                |    | 1.02 (0.040) |     | 1.27 (0.050) |                             | 1.40 (0.055) |    | 1.52 (0.060) |     | 1.78 (0.070) |     | 2.29 (0.090) |  | 2.54 (0.100) |  | 2.79 (0.110) |  |
|                |          | PAPER                        |   |                             |    |                             |    |                             |    |              |     | EMBOSSED                    |    |              |     |              |                             |              |    |              |     |              |     |              |  |              |  |              |  |



## Capacitance Range



**PREFERRED SIZES ARE SHADED**

[illegible][illegible]



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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