

Varistor Products

Line Voltage Operation, Radial Lead

LA Varistor Series



The LA Series of transient voltage surge suppressors are radial-lead varistors (MOVs) that are designed to be operated continuously across AC power lines. These UL recognized varistors require very little mounting space, and are offered in various standard lead form options.

The LA Series varistors are available in four model sizes: 7mm, 10mm, 14mm and 20mm; and have a $V_{M(AC)RMS}$ voltage range from 130V to 1000V, and an energy absorption capability up to 360J. Some LA series model numbers are available with clamping voltage selections, designated by a model number suffix of either A or B. The "A" selection is the standard model; the "B" selection provides a lower clamping voltage.

See LA Series Device Ratings and Specifications table for part number and brand information.

Features

- Energy Absorption Capability (W_{TM}) Up to 360J
- Wide Operating Voltage Range
 $V_{M(AC)RMS}$ 130V to 1000V
- No Derating Up to 85°C Ambient
- Available in Tape and Reel or Bulk Pack



AGENCY APPROVALS: Recognized under the components program of Underwriters Laboratories. Certified by CSA, VDE and CECC.

AGENCY FILE NUMBERS: UL E75961, E56529, E135010; CSA LR91788; VDE 116895E; CECC 42201-006.

**ALSO SEE LITTELFUSE ULTRAMOV™
AND C-III VARISTOR SERIES**

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VARISTOR
PRODUCTS

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Absolute Maximum Ratings For ratings of individual members of a series, see Device Ratings and Specifications chart

| | LA SERIES | UNITS |
|--|--------------|-----------------|
| Continuous: | | |
| Steady State Applied Voltage: | | |
| AC Voltage Range ($V_{M(AC)RMS}$) | 130 to 1000 | V |
| DC Voltage Range ($V_{M(DC)}$) | 175 to 1200 | V |
| Transients: | | |
| Peak Pulse Current (I_{TM}) | | |
| For 8/20 μ s Current Wave (See Figure 2) | 1200 to 6500 | A |
| Single Pulse Energy Range | | |
| For 10/1000 μ s Current Wave (W_{TM}) | 11 to 360 | J |
| Operating Ambient Temperature Range (T_A) | -55 to 85 | $^{\circ}$ C |
| Storage Temperature Range (T_{STG}) | -55 to 125 | $^{\circ}$ C |
| Temperature Coefficient (αV) of Clamping Voltage (V_C) at Specified Test Current | <0.01 | %/ $^{\circ}$ C |
| Hi-Pot Encapsulation (Isolation Voltage Capability) | 2500 | V |
| (Dielectric must withstand indicated DC voltage for one minute per MIL-STD 202, Method 301) | | |
| Insulation Resistance | 1000 | M Ω |

CAUTION: Stresses above those listed in "Absolute Maximum Ratings" may cause permanent damage to the device. This is a stress only rating and operation of the device at these or any other conditions above those indicated in the operational sections of this specification is not implied.

Device Ratings and Specifications

| PART NUMBER | MODEL SIZE DISC DIA. (mm) | DEVICE MODEL NUMBER BRAND-ING | MAXIMUM RATING (85 $^{\circ}$ C) | | | | SPECIFICATIONS (25 $^{\circ}$ C) | | | | |
|-------------|---------------------------|-------------------------------|----------------------------------|-----------------|--------------------------|-----------------------------|--|-------------------|---|--------------|------------------------------|
| | | | CONTINUOUS | | TRANSIENT | | VARISTOR VOLT-AGE AT 1mA DC TEST CURRENT | | MAXIMUM CLAMPING VOLTAGE 8 x 20 μ s | | TYPICAL CAPACITANCE f = 1MHz |
| | | | V_{RMS} | V_{DC} | ENERGY 10 x 1000 μ s | PEAK CURRENT 8 x 20 μ s | | | | | |
| | | | $V_{M(AC)}$ (V) | $V_{M(DC)}$ (V) | W_{TM} (J) | I_{TM} (A) | $V_{NOM MIN}$ (V) | $V_{NOM MAX}$ (V) | V_C (V) | I_{PK} (A) | C (pF) |
| V130LA1 | 7 | 1301 | 130 | 175 | 11 | 1200 | 184 | 255 | 390 | 10 | 180 |
| V130LA2 | 7 | 1302 | 130 | 175 | 11 | 1200 | 184 | 228 | 340 | 10 | 180 |
| V130LA5 | 10 | 1305 | 130 | 175 | 20 | 2500 | 184 | 228 | 340 | 25 | 450 |
| V130LA10A | 14 | 130L10 | 130 | 175 | 38 | 4500 | 184 | 228 | 340 | 50 | 1000 |
| V130LA20A | 20 | 130L20 | 130 | 175 | 70 | 6500 | 184 | 228 | 340 | 100 | 1900 |
| V130LA20B | 20 | 130L20B | 130 | 175 | 70 | 6500 | 184 | 220 | 325 | 100 | 1900 |
| V140LA2 | 7 | 1402 | 140 | 180 | 12 | 1200 | 198 | 242 | 360 | 10 | 160 |
| V140LA5 | 10 | 1405 | 140 | 180 | 22 | 2500 | 198 | 242 | 360 | 25 | 400 |
| V140LA10A | 14 | 140L10 | 140 | 180 | 42 | 4500 | 198 | 242 | 360 | 50 | 900 |
| V140LA20A | 20 | 140L20 | 140 | 180 | 75 | 6500 | 198 | 242 | 340 | 100 | 1750 |
| V150LA1 | 7 | 1501 | 150 | 200 | 13 | 1200 | 212 | 284 | 430 | 10 | 150 |
| V150LA2 | 7 | 1502 | 150 | 200 | 13 | 1200 | 212 | 268 | 395 | 10 | 150 |
| V150LA5 | 10 | 1505 | 150 | 200 | 25 | 2500 | 212 | 268 | 395 | 25 | 360 |
| V150LA10A | 14 | 150L10 | 150 | 200 | 45 | 4500 | 212 | 268 | 395 | 50 | 800 |
| V150LA20A | 20 | 150L20 | 150 | 200 | 80 | 6500 | 212 | 268 | 395 | 100 | 1600 |
| V150LA20B | 20 | 150L20B | 150 | 200 | 80 | 6500 | 212 | 243 | 360 | 100 | 1600 |
| V175LA2 | 7 | 1752 | 175 | 225 | 15 | 1200 | 247 | 303 | 455 | 10 | 130 |
| V175LA5 | 10 | 1755 | 175 | 225 | 30 | 2500 | 247 | 303 | 455 | 25 | 350 |
| V175LA10A | 14 | 175L10 | 175 | 225 | 55 | 4500 | 247 | 303 | 455 | 50 | 700 |
| V175LA20A | 20 | 175L20 | 175 | 225 | 90 | 6500 | 247 | 303 | 455 | 100 | 1400 |
| V230LA4 | 7 | 2304 | 230 | 300 | 20 | 1200 | 324 | 396 | 595 | 10 | 100 |
| V230LA10 | 10 | 230L | 230 | 300 | 35 | 2500 | 324 | 396 | 595 | 25 | 250 |
| V230LA20A | 14 | 230L20 | 230 | 300 | 70 | 4500 | 324 | 396 | 595 | 50 | 550 |
| V230LA40A | 20 | 230L40 | 230 | 300 | 122 | 6500 | 324 | 396 | 595 | 100 | 1100 |

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Device Ratings and Specifications (Continued)

| PART NUMBER | MODEL SIZE DISC DIA. (mm) | DEVICE MODEL NUMBER BRANDING | MAXIMUM RATING (85°C) | | | | SPECIFICATIONS (25°C) | | | | | |
|-------------|---------------------------|------------------------------|------------------------|------------------------|---------------------|-----------------------|---|--------------------------|-----------------------------------|---------------------|------------------------------|--|
| | | | CONTINUOUS | | TRANSIENT | | VARISTOR VOLTAGE AT 1mA DC TEST CURRENT | | MAXIMUM CLAMPING VOLTAGE 8 x 20µs | | TYPICAL CAPACITANCE f = 1MHz | |
| | | | V _{RMS} | V _{DC} | ENERGY 10 x 1000µs | PEAK CURRENT 8 x 20µs | | | | | | |
| | | | V _{M(AC)} (V) | V _{M(DC)} (V) | W _{TM} (J) | I _{TM} (A) | V _{NOM MIN} (V) | V _{NOM MAX} (V) | V _C (V) | I _{PK} (A) | C (pF) | |
| V250LA2 | 7 | 2502 | 250 | 330 | 21 | 1200 | 354 | 473 | 730 | 10 | 90 | |
| V250LA4 | 7 | 2504 | 250 | 330 | 21 | 1200 | 354 | 429 | 650 | 10 | 90 | |
| V250LA10 | 10 | 250L | 250 | 330 | 40 | 2500 | 354 | 429 | 650 | 25 | 220 | |
| V250LA20A | 14 | 250L20 | 250 | 330 | 72 | 4500 | 354 | 429 | 650 | 50 | 500 | |
| V250LA40A | 20 | 250L40 | 250 | 330 | 130 | 6500 | 354 | 429 | 650 | 100 | 1000 | |
| V250LA40B | 20 | 250L40B | 250 | 330 | 130 | 6500 | 354 | 413 | 620 | 100 | 1000 | |
| V275LA2 | 7 | 2752 | 275 | 369 | 23 | 1200 | 389 | 515 | 775 | 10 | 80 | |
| V275LA4 | 7 | 2754 | 275 | 369 | 23 | 1200 | 389 | 473 | 710 | 10 | 80 | |
| V275LA10 | 10 | 275L | 275 | 369 | 45 | 2500 | 389 | 473 | 710 | 25 | 200 | |
| V275LA20A | 14 | 275L20 | 275 | 369 | 75 | 4500 | 389 | 473 | 710 | 50 | 450 | |
| V275LA40A | 20 | 275L40 | 275 | 369 | 140 | 6500 | 389 | 473 | 710 | 100 | 900 | |
| V275LA40B | 20 | 275L40B | 275 | 369 | 140 | 6500 | 389 | 453 | 680 | 100 | 900 | |
| V300LA2 | 7 | 3002 | 300 | 405 | 25 | 1200 | 420 | 565 | 870 | 10 | 70 | |
| V300LA4 | 7 | 3004 | 300 | 405 | 25 | 1200 | 420 | 517 | 775 | 10 | 70 | |
| V300LA10 | 10 | 300L | 300 | 405 | 46 | 2500 | 420 | 517 | 775 | 25 | 180 | |
| V300LA20A | 14 | 300L20 | 300 | 405 | 77 | 4500 | 420 | 517 | 775 | 50 | 400 | |
| V300LA40A | 20 | 300L40 | 300 | 405 | 165 | 6500 | 420 | 517 | 775 | 100 | 800 | |
| V320LA7 | 7 | 3207 | 320 | 420 | 25 | 1200 | 462 | 565 | 850 | 10 | 65 | |
| V320LA10 | 10 | 320L | 320 | 420 | 48 | 2500 | 462 | 565 | 850 | 25 | 170 | |
| V320LA20A | 14 | 320L20 | 320 | 420 | 80 | 4500 | 462 | 565 | 850 | 50 | 380 | |
| V320LA40B | 20 | 320L40 | 320 | 420 | 150 | 6500 | 462 | 540 | 810 | 100 | 750 | |
| V385LA7 | 7 | 3857 | 385 | 505 | 27 | 1200 | 558 | 682 | 1025 | 10 | 60 | |
| V385LA10 | 10 | 385L | 385 | 505 | 51 | 2500 | 558 | 682 | 1025 | 25 | 160 | |
| V385LA20A | 14 | 385L20 | 385 | 505 | 85 | 4500 | 558 | 682 | 1025 | 50 | 360 | |
| V385LA40B | 20 | 385L40 | 385 | 505 | 160 | 6500 | 558 | 682 | 1025 | 100 | 700 | |
| V420LA7 | 7 | 4207 | 420 | 560 | 30 | 1200 | 610 | 748 | 1120 | 10 | 55 | |
| V420LA10 | 10 | 420L | 420 | 560 | 55 | 2500 | 610 | 748 | 1120 | 25 | 140 | |
| V420LA20A | 14 | 420L20 | 420 | 560 | 90 | 4500 | 610 | 748 | 1120 | 50 | 300 | |
| V420LA40B | 20 | 420L40 | 420 | 560 | 160 | 6500 | 610 | 720 | 1060 | 100 | 600 | |
| V460LA7 | 7 | 4607 | 460 | 615 | 37 | 1200 | 702 | 858 | 1130 | 10 | 55 | |
| V480LA7 | 7 | 4807 | 480 | 640 | 35 | 1200 | 670 | 825 | 1240 | 10 | 50 | |
| V480LA10 | 10 | 480L | 480 | 640 | 60 | 2500 | 670 | 825 | 1240 | 25 | 120 | |
| V480LA40A | 14 | 480L40 | 480 | 640 | 105 | 4500 | 670 | 825 | 1240 | 50 | 270 | |
| V480LA80B | 20 | 480L80 | 480 | 640 | 180 | 6500 | 670 | 790 | 1160 | 100 | 550 | |
| V510LA10 | 10 | 510L | 510 | 675 | 63 | 2500 | 735 | 910 | 1350 | 25 | 100 | |
| V510LA40A | 14 | 510L40 | 510 | 675 | 110 | 4500 | 735 | 910 | 1350 | 50 | 250 | |
| V510LA80B | 20 | 510L80 | 510 | 675 | 190 | 6500 | 735 | 860 | 1280 | 100 | 500 | |
| V575LA10 | 10 | 575L | 575 | 730 | 65 | 2500 | 805 | 1000 | 1500 | 25 | 90 | |
| V575LA40A | 14 | 575L40 | 575 | 730 | 120 | 4500 | 805 | 1000 | 1500 | 50 | 220 | |
| V575LA80B | 20 | 575L80 | 575 | 730 | 220 | 6500 | 805 | 960 | 1410 | 100 | 450 | |
| V625LA10 | 10 | 625L | 625 | 825 | 67 | 2500 | 900 | 1100 | 1650 | 25 | 80 | |
| V625LA40A | 14 | 625L40 | 625 | 825 | 125 | 4500 | 900 | 1100 | 1650 | 50 | 210 | |
| V625LA80B | 20 | 625L80 | 625 | 825 | 230 | 6500 | 900 | 1100 | 1650 | 100 | 425 | |

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Device Ratings and Specifications (Continued)

| PART NUMBER | MODEL SIZE DISC DIA. (mm) | DEVICE MODEL NUMBER BRAND-ING | MAXIMUM RATING (85°C) | | | | SPECIFICATIONS (25°C) | | | | |
|-------------|---------------------------|-------------------------------|------------------------|------------------------|---------------------|-----------------------|--|--------------------------|-----------------------------------|---------------------|-------------------------------|
| | | | CONTINUOUS | | TRANSIENT | | VARISTOR VOLT-AGE AT 1mA DC TEST CURRENT | | MAXIMUM CLAMPING VOLTAGE 8 x 20µs | | TYPICAL CAPACI-TANCE f = 1MHz |
| | | | V _{RMS} | V _{DC} | ENERGY 10 x 1000µs | PEAK CURRENT 8 x 20µs | | | | | |
| | | | V _{M(AC)} (V) | V _{M(DC)} (V) | W _{TM} (J) | I _{TM} (A) | V _{NOM MIN} (V) | V _{NOM MAX} (V) | V _C (V) | I _{PK} (A) | C (pF) |
| V660LA10 | 10 | 660L | 660 | 850 | 70 | 2500 | 940 | 1210 | 1820 | 25 | 70 |
| V660LA50A | 14 | 660L50 | 660 | 850 | 140 | 4500 | 940 | 1210 | 1820 | 50 | 200 |
| V660LA100B | 20 | 660L100 | 660 | 850 | 250 | 6500 | 940 | 1100 | 1650 | 100 | 400 |
| V1000LA80A | 14 | 1000L80 | 1000 | 1200 | 220 | 4500 | 1425 | 1800 | 2700 | 50 | 130 |
| V1000LA160B | 20 | 1000L160 | 1000 | 1200 | 360 | 6500 | 1425 | 1600 | 2420 | 100 | 250 |

NOTE: Average power dissipation of transients not to exceed 0.25W, 0.4W, 0.6W or 1W for model sizes 7mm, 10mm, 14mm and 20mm, respectively.

Power Dissipation Ratings

Should transients occur in rapid succession, the average power dissipation is the energy (watt-seconds) per pulse times the number of pulses per second. The power so developed must be within the specifications shown on the Device Ratings and Specifications table for the specific device. The operating values of a MOV need to be derated at high temperatures as shown in Figure 1. Because varistors only dissipate a relatively small amount of average power they are not suitable for repetitive applications that involve substantial amounts of average power dissipation.



FIGURE 1. CURRENT, ENERGY AND POWER DERATING CURVE



FIGURE 2. PEAK PULSE CURRENT TEST WAVEFORM

O₁ = Virtual Origin of Wave
 T = Time From 10% to 90% of Peak
 T₁ = Virtual Front time = 1.25 • t
 T₂ = Virtual Time to Half Value (Impulse Duration)
 Example: For an 8/20µs Current Waveform:
 8µs = T₁ = Virtual Front Time
 20µs = T₂ = Virtual Time to Half Value

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Transient V-I Characteristics Curves

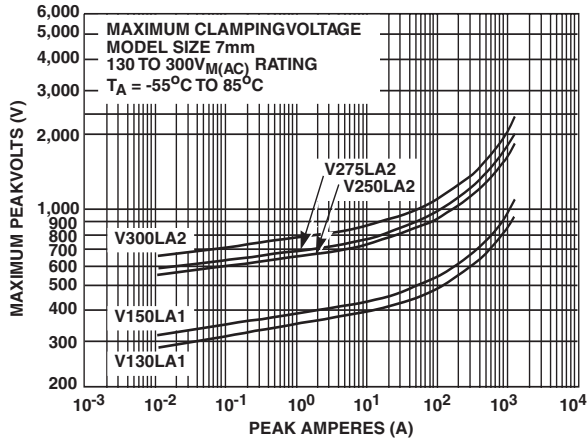


FIGURE 3. CLAMPING VOLTAGE FOR V130LA1 - V300LA2



FIGURE 4. CLAMPING VOLTAGE FOR V130LA2 - V300LA4

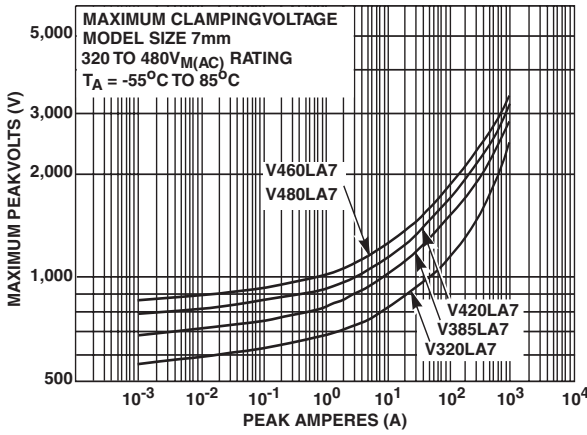


FIGURE 5. CLAMPING VOLTAGE FOR V320LA7 - V480LA7



FIGURE 6. CLAMPING VOLTAGE FOR V130LA5 - V420LA10

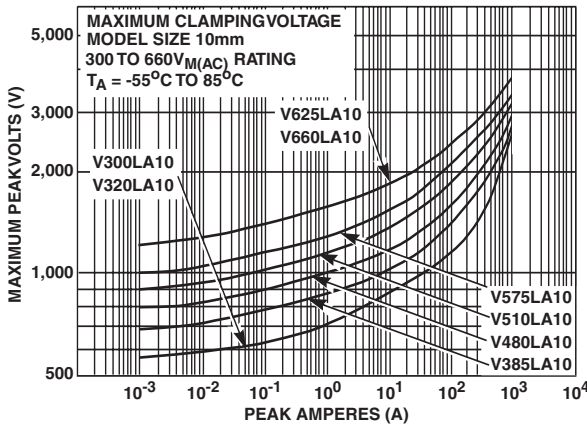


FIGURE 7. CLAMPING VOLTAGE FOR V300LA10 - V660LA10



FIGURE 8. CLAMPING VOLTAGE FOR V130LA10A - V320LA20A

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Transient V-I Characteristics Curves (Continued)



FIGURE 9. CLAMPING VOLTAGE FOR V385LA20A-V1000LA80A



FIGURE 10. CLAMPING VOLTAGE FOR V130LA20A-V275LA40A



FIGURE 11. CLAMPING VOLTAGE FOR V130LA20B-V275LA40B



FIGURE 12. CLAMPING VOLTAGE FOR V140LA20A-V230LA40A



FIGURE 13. CLAMPING VOLTAGE FOR V300LA40A-V1000LA160B

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Pulse Rating Curves



FIGURE 14. SURGE CURRENT RATING CURVES FOR V130LA1 - V480LA7



FIGURE 15. SURGE CURRENT RATING CURVES FOR V130LA5 - V660LA10



FIGURE 16. SURGE CURRENT RATING CURVES FOR V130LA10A - V320LA20A



FIGURE 17. SURGE CURRENT RATING CURVES FOR V385LA20A - V1000LA80A



FIGURE 18. SURGE CURRENT RATING CURVES FOR V130LA20A - V320LA40B



FIGURE 19. SURGE CURRENT RATING CURVES FOR V385LA40B - V1000LA160B

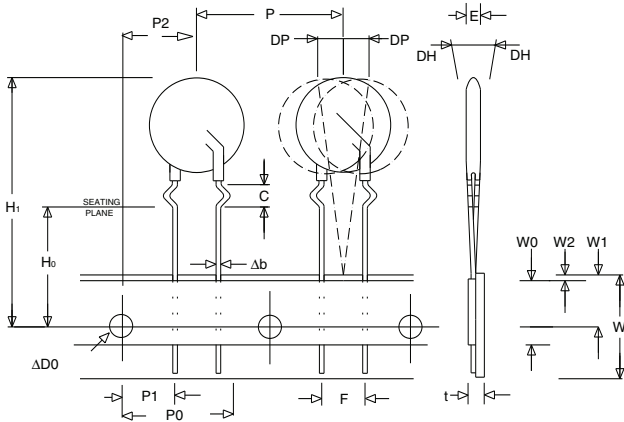
NOTE: If pulse ratings are exceeded, a shift of $V_{N(DC)}$ (at specified current) of more than $\pm 10\%$ could result. This type of shift, which normally results in a decrease of $V_{N(DC)}$, may result in the device not meeting the original published specifications, but does not prevent the device from continuing to function, and to provide ample protection.

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Tape and Reel Specifications 7mm Devices



Crimped Leads "LT"

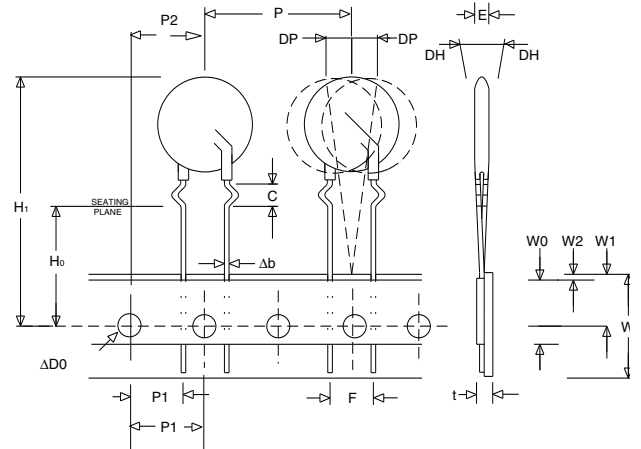


Straight Leads "LS"



Under-crimped Leads "LU"

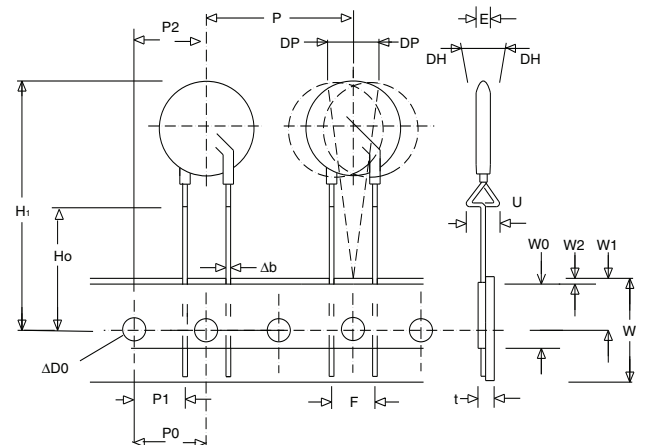
10, 14 and 20mm Devices



Crimped Leads "LT"



Straight Leads "LS"



Under-crimped Leads "LU"

Varistor Products

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| SYMBOL | PARAMETER | MODEL SIZE | | | |
|----------------|---|--------------------------|--------------------------|--------------------------|--------------------------|
| | | 7mm | 10mm | 14mm | 20mm |
| P | Pitch of Component | 12.7 ± 1.0 | 25.4 ± 1.0 | 25.4 ± 1.0 | 25.4 ± 1.0 |
| P ₀ | Feed Hole Pitch | 12.7 ± 0.2 | 12.7 ± 0.2 | 12.7 ± 0.2 | 12.7 ± 0.2 |
| P ₁ | Feed Hole Center to Pitch | 3.85 ± 0.7 | 8.85 ± 0.7 | 8.85 ± 0.7 | 8.85 ± 0.7 |
| P ₂ | Hole Center to Component Center | 6.35 ± 0.7 | 12.7 ± 0.7 | 12.7 ± 0.7 | 12.7 ± 0.7 |
| F | Lead to Lead Distance | 5.0 ± 0.8 | 7.5 ± 0.8 | 7.5 ± 0.8 | 7.5 ± 0.8 |
| h | Component Alignment | 2.0 Max | 2.0 Max | 2.0 Max | 2.0 Max |
| W | Tape Width | 18.0 + 1.0 18.0 - 0.5 | 18.0 + 1.0 18.0 - 0.5 | 18.0 + 1.0 18.0 - 0.5 | 18.0 + 1.0 18.0 - 0.5 |
| W ₀ | Hold Down Tape Width | 12.0 ± 0.3 | 12.0 ± 0.3 | 12.0 ± 0.3 | 12.0 ± 0.3 |
| W ₁ | Hole Position | 9.0 + 0.75 9.0 - 0.50 | 9.0 + 0.75 9.0 - 0.50 | 9.0 + 0.75 9.0 - 0.50 | 9.0 + 0.75 9.0 - 0.50 |
| W ₂ | Hold Down Tape Position | 0.5 Max | 0.5 Max | 0.5 Max | 0.5 Max |
| H | Height from Tape Center to Component Base | 18.0 + 2.0 18.0 - 0.0 | 18.0 + 2.0 18.0 - 0.0 | 18.0 + 2.0 18.0 - 0.0 | 18.0 + 2.0 18.0 - 0.0 |
| H ₀ | Seating Plane Height | 16.0 ± 0.5 | 16.0 ± 0.5 | 16.0 ± 0.5 | 16.0 ± 0.5 |
| H ₁ | Component Height | 32.0 Max | 36.0 Max | 40.0 Max | 46.5 Max |
| D ₀ | Feed Hole Diameter | 4.0 ± 0.2 | 4.0 ± 0.2 | 4.0 ± 0.2 | 4.0 ± 0.2 |
| t | Total Tape Thickness | 0.7 ± 0.2 | 0.7 ± 0.2 | 0.7 ± 0.2 | 0.7 ± 0.2 |
| U | Under-crimp Width | 8.0 Max | 8.0 Max | 8.0 Max | 8.0 Max |
| p | Component Alignment | 3° Max 1.00mm | 3° Max 1.00mm | 3° Max 1.00mm | 3° Max 1.00mm |

NOTE: Dimensions are in mm.

Tape and Reel Data

- Conforms to ANSI and EIA specifications
- Can be supplied to IEC Publication 286-2
- Radial devices on tape are supplied with crimped leads, straight leads, or under-crimped leads

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Tape and Reel Ordering Information

Crimped leads are standard on LA types supplied in tape and reel and are denoted by the model letter "T". Model letter "S" denotes straight leads and letter "U" denotes special under-crimped leads.

Example:

| STANDARD MODEL | CRIMPED LEADS | STRAIGHT LEADS | UNDER-CRIMPED LEADS |
|----------------|---------------|----------------|---------------------|
| V130LA2 | V130LT2 | V130LS2 | V130LU2 |

Standard Bulk Pack Quantity

| VARISTOR VOLTAGE MODEL | STANDARD BULK PACK QUANTITY | | | |
|------------------------|-----------------------------|------|------|------|
| | VARISTOR MODEL SIZE | | | |
| | 7mm | 10mm | 14mm | 20mm |
| 130-275 | 1500 | 1000 | 700 | 500 |
| 300-460 | 1500 | 700 | 600 | 400 |
| 510-625 | 1500 | 700 | 500 | 400 |



| SYMBOL | VOLTAGE MODEL | VARISTOR MODEL SIZE | | | | | | | |
|----------------|-----------------|---------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------------------|-----------------------------|
| | | 7mm | | 10mm | | 14mm | | 20mm | |
| | | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| A | V130LA-V320LA | - | 12 (0.472) | - | 16 (0.630) | - | 20 (0.787) | - | 26.5 (1.043) |
| | V385LA-V1000LA | - | 13 (0.0512) | - | 17 (0.689) | - | 20.5 (0.807) | - | 28 (1.102) |
| ØD | All | - | 9 (0.354) | - | 12.5 (0.492) | - | 17 (0.669) | - | 23 (0.906) |
| e | All | 4 (0.157) | 6 (0.236) | 6.5 (0.256) | 8.5 (0.335) | 6.5 (0.256) | 8.5 (0.335) | 6.5 (0.256) (Note 2) | 8.5 (0.335) (Note 2) |
| e ₁ | V130LA-V320LA | 1.5 (0.059) | 3.5 (0.138) | 1.5 (0.059) | 3.5 (0.138) | 1.5 (0.059) | 3.5 (0.138) | 1.5 (0.059) | 3.5 (0.138) |
| | V385LA-V1000LA | 2.5 (0.098) | 5.5 (0.217) | 2.5 (0.098) | 5.5 (0.217) | 2.5 (0.098) | 5.5 (0.217) | 2.5 (0.098) | 5.5 (0.217) |
| E | V130LA-V320LA | - | 5.6 (0.220) | - | 5.6 (0.220) | - | 5.6 (0.220) | - | 5.6 (0.220) |
| | V385LA-V660LA | - | 7.5 (0.287) | - | 7.5 (0.287) | - | 7.5 (0.287) | - | 7.5 (0.287) |
| | V1000LA | - | - | - | - | - | 10.8 (0.425) | - | 10.8 (0.425) |
| Øb | All (Note 3) | 0.585 (0.023) | 0.685 (0.027) | 0.76 (0.030) | 0.86 (0.034) | 0.76 (0.030) | 0.86 (0.034) | 0.76 (0.030) (Note 2) | 0.86 (0.034) (Note 2) |

NOTES:

1. Dimensions in millimeters, inches in parentheses.
2. 10mm (9mm min, 11mm Max) ALSO AVAILABLE; See Additional Lead Style Options
3. 1000V parts supplied with lead wire of diameter 1.00 ± 0.05 (0.039 ± 0.002).



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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