

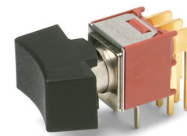
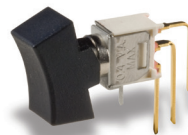
# T Series Subminiature Rocker Switches

## Features/Benefits

- Compact size—small footprint
- Single and double pole models
- PC and panel mounting options available
- RoHS compliant

## Typical Applications

- Telecommunications
- Instrumentation
- Medical Equipment



Models Available

## Specifications

CONTACT RATING: Q contact material (TX01 models): 3 AMPS @ 120 V AC or 28 V DC. All other models: 2 AMPS @ 120 V AC or 28 V DC. See page G-49 for additional ratings.

ELECTRICAL LIFE: TX01 models: 60,000 make-and-break cycles at full load. All other models: 30,000 cycles.

CONTACT RESISTANCE: Below 20 m Ω typ. initial @ 2–4 V DC, 100 mA, for both silver and gold plated contacts.

INSULATION RESISTANCE: 10<sup>9</sup> Ω min.

DIELECTRIC STRENGTH: 1000 Vrms min. @ sea level.

OPERATING TEMPERATURE: –30°C to 85°C.

SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).

**NOTE:** Any models supplied with B, G, P, Q or R contact material are RoHS compliant.

**NOTE:** Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

## Materials

CASE: Glass filled nylon 6/6, flame retardant, heat stabilized or diallyl phthalate (DAP), (UL 94V-0) or glass filled nylon 4/6, flame retardant, heat stabilized.

ACTUATOR: Nylon, black standard.

BUSHING: Brass, nickel plated.

HOUSING: Stainless steel.

SWITCH SUPPORT: Brass, matte-tin plated.

MOUNTING BRACKET: Stainless steel.

END CONTACTS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Coin silver, silver plated. See page G-49 for additional contact materials.

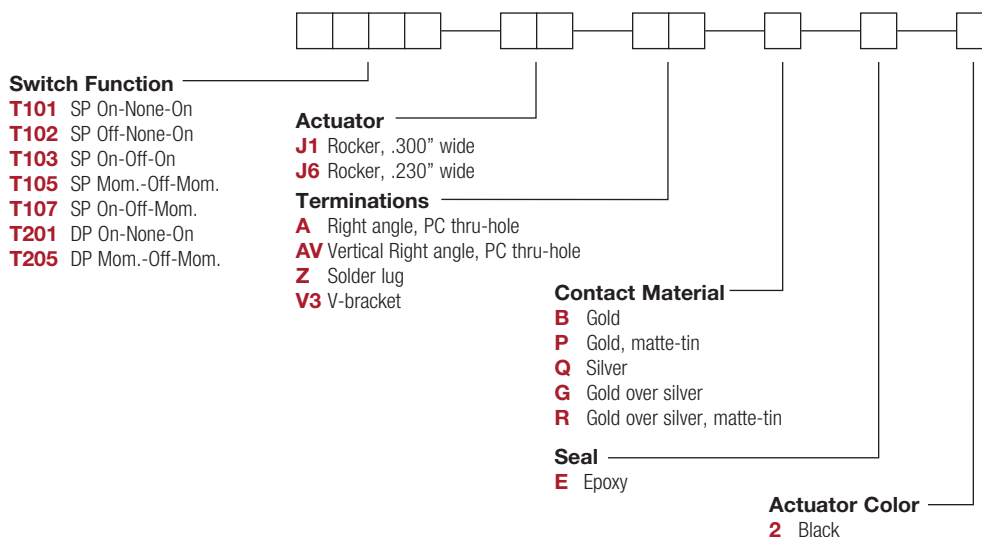
CENTER CONTACTS & TERMINALS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Copper alloy, silver plated. See page G-49 for additional contact materials.

TERMINAL SEAL: Epoxy.

HARDWARE: Nut, Screws & Lockwasher: Stainless steel.  
Standoff: Nylon standard.

## Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages G-46 through G-50. For additional options not shown in catalog, consult Customer Service Center. All models have epoxy terminal seal and are compatible with all “bottom-wash” PCB cleaning methods.



# T Series Subminiature Rocker Switches

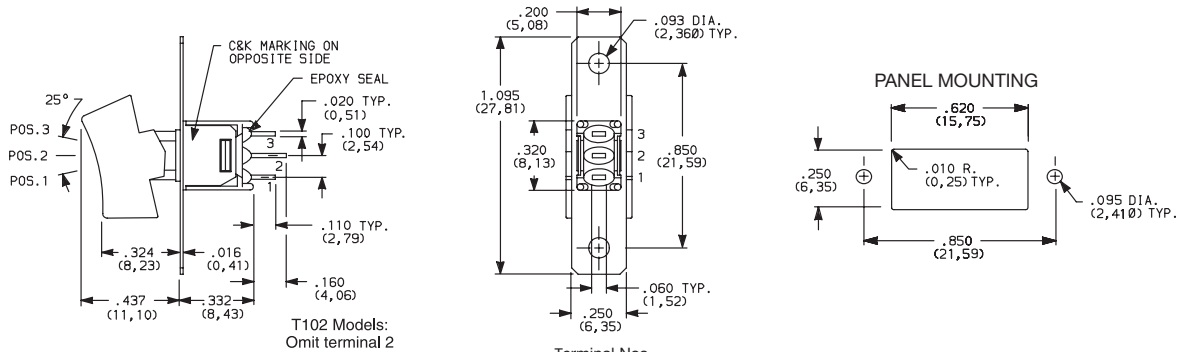
ACTUATOR COLOR

SWITCH FUNCTION



| NO. POLES | MODEL NO.   | SWITCH FUNCTION              |        |        | CONNECTED TERMINALS          |        |        | SCHEMATIC |
|-----------|-------------|------------------------------|--------|--------|------------------------------|--------|--------|-----------|
|           |             | POS. 1                       | POS. 2 | POS. 3 | POS. 1                       | POS. 2 | POS. 3 |           |
|           |             |                              |        |        |                              |        |        |           |
|           |             | C&K marking on opposite side |        |        | C&K marking on opposite side |        |        |           |
| SP        | <b>T101</b> | ON                           | NONE   | ON     | 2-3                          | N/A    | 2-1    |           |
|           | <b>T103</b> | ON                           | OFF    | ON     |                              | OPEN   |        |           |
|           | <b>T105</b> | MOM.                         | OFF    | MOM.   |                              |        |        |           |
|           | <b>T107</b> | ON                           | OFF    | MOM.   |                              |        |        |           |
|           | <b>T102</b> | OFF                          | NONE   | ON     | OPEN                         | N/A    | 3-1    |           |

**SPDT**



Part number shown: T101J6ZBE2

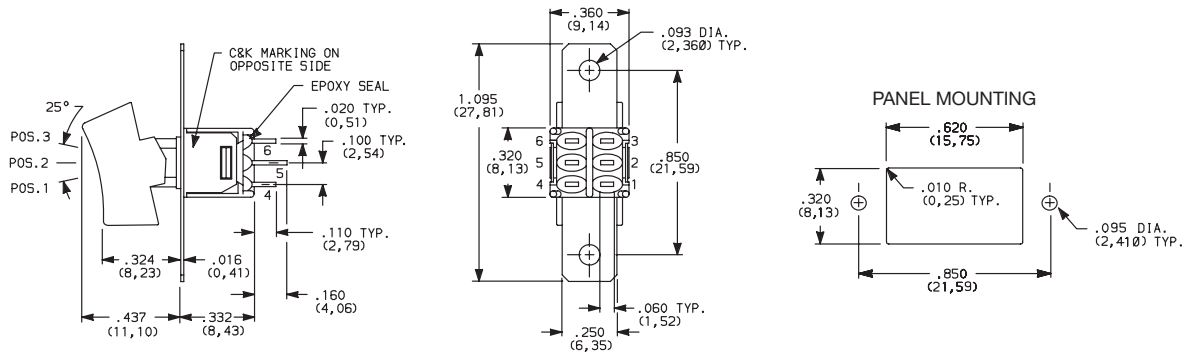
T102 Models:  
Omit terminal 2

Terminal Nos.  
For Reference Only

|    |             |      |      |      |         |      |         |  |
|----|-------------|------|------|------|---------|------|---------|--|
| DP | <b>T201</b> | ON   | NONE | ON   | 2-3,5-6 | N/A  | 2-1,5-4 |  |
|    | <b>T205</b> | MOM. | OFF  | MOM. |         | OPEN |         |  |

DPDT

**DPDT**

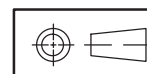


Part number shown: T201J1ZBE2

Terminal Nos.  
For Reference Only

MOM. = Momentary

All models with all options when ordered with G, Q or R contact material.



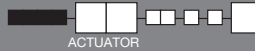
Third Angle  
Projection

Dimensions are shown: Inches (mm)  
Specifications and dimensions subject to change

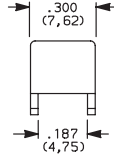
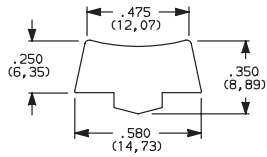


# T Series Subminiature Rocker Switches

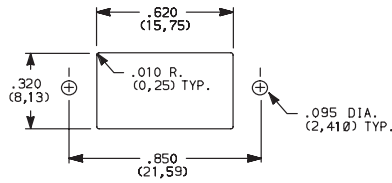
## ACTUATOR



### J1 ROCKER, .300 WIDE

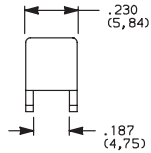
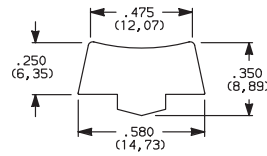


#### PANEL MOUNTING

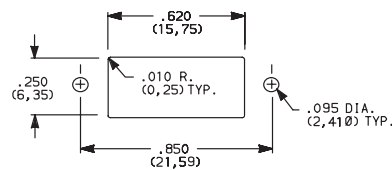


Standard with all models except T10X with A terminations.

### J6 ROCKER, .230 WIDE



#### PANEL MOUNTING



Standard with T10X model with A terminations.

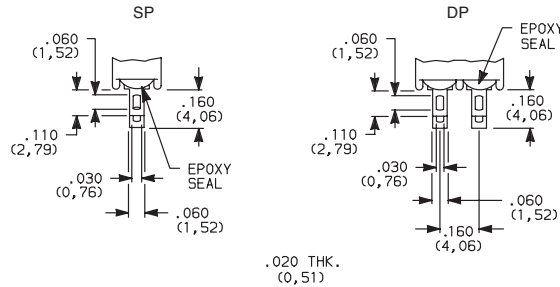
| OPTION CODE | ACTUATOR COLOR |
|-------------|----------------|
| <b>2</b>    | <b>BLACK</b>   |

Actuators available separately, see page G 50. Finish: Matte. Other colors, custom actuator markings and legends available, consult Customer Service Center.

## TERMINATIONS



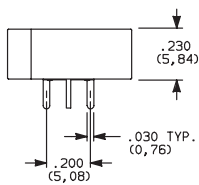
### Z SOLDER LUG



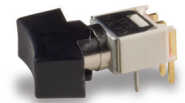
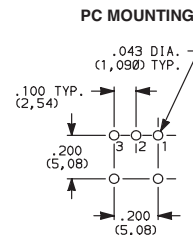
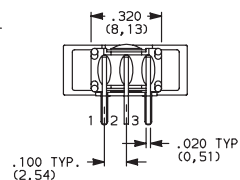
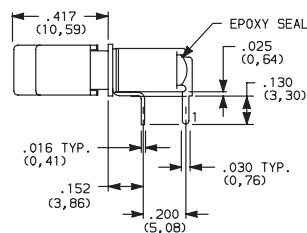
#### SP and DP

Not available with P or R contact material.

### A RIGHT ANGLE, PC THRU-HOLE



Actuator Shown In Pos. 1



**T101J6ABE2**  
Horizontal Actuation  
**SPDT**

Not available with T102 model. J6 actuator standard only on T10X models with A terminations.



Third Angle  
Projection

Dimensions are shown: Inches (mm)  
Specifications and dimensions subject to change

Rocker

G

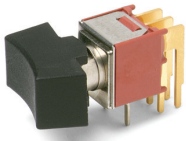


# T Series Subminiature Rocker Switches

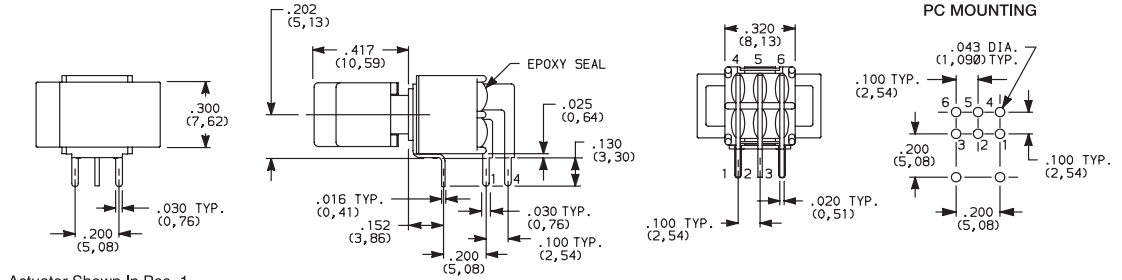
## TERMINATIONS



### A RIGHT ANGLE, PC THRU-HOLE

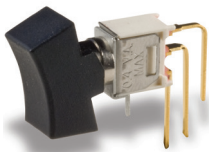


**T201J1ABE2**  
Horizontal Actuation  
**DPDT**

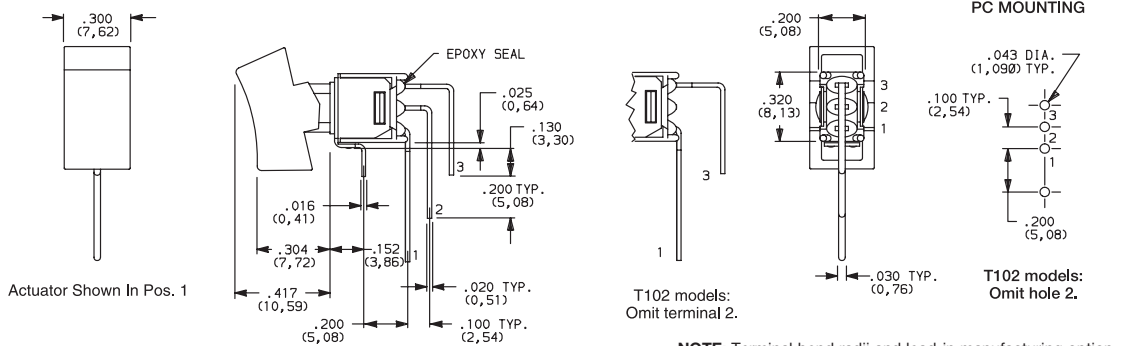


Actuator Shown In Pos. 1

### AV VERTICAL RIGHT ANGLE, PC THRU-HOLE



**T101J1AVBE2**  
Vertical Actuation  
**SPDT**



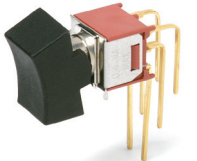
Actuator Shown In Pos. 1

T102 models:  
Omit terminal 2.

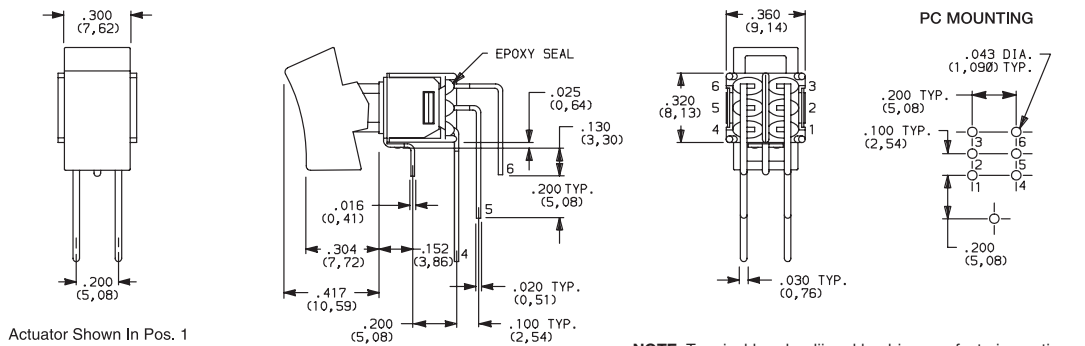
T102 models:  
Omit hole 2.

**NOTE:** Terminal bend radii and lead-in manufacturing option.

### AV VERTICAL RIGHT ANGLE, PC THRU-HOLE



**T201J1AVBE2**  
Vertical Actuation  
**DPDT**



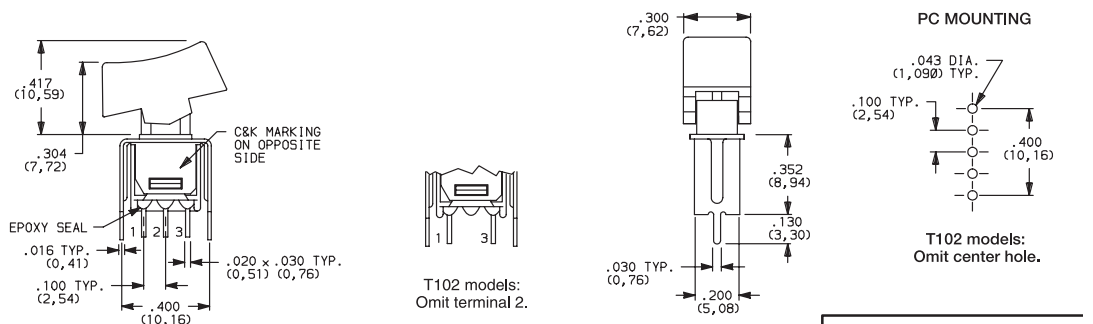
Actuator Shown In Pos. 1

**NOTE:** Terminal bend radii and lead-in manufacturing option.

### V3 VERTICAL MOUNT, V-BRACKET



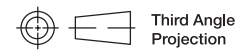
**T101J1V3BE2**  
**SPDT**



Actuator Shown In Pos. 1

T102 models:  
Omit terminal 2.

T102 models:  
Omit center hole.



Third Angle  
Projection

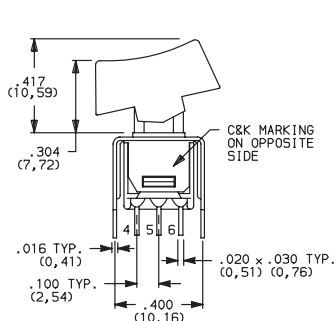
Dimensions are shown: Inches (mm)  
Specifications and dimensions subject to change



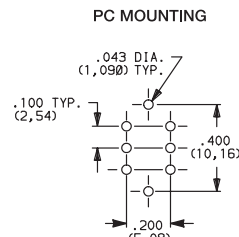
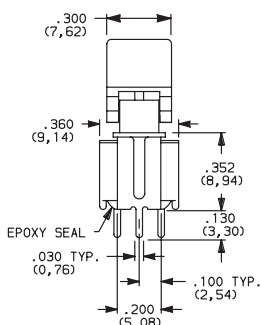
# T Series Subminiature Rocker Switches

## TERMINATIONS

### V3 VERTICAL MOUNT, V-BRACKET



Actuator Shown In Pos. 1



T201J1V3BE2  
DPDT


## CONTACT MATERIAL

| OPTION CODE | CONTACT MATERIAL                   | TERMINAL PLATING       | RATINGS                           |   |
|-------------|------------------------------------|------------------------|-----------------------------------|---|
| <b>B</b>    | GOLD <sup>3</sup>                  | GOLD <sup>1</sup>      | LOW LEVEL/<br>DRY CIRCUIT         | 0.4 VA MAX. @ 20 V AC OR DC MAX.  |
| <b>P</b>    |                                    | MATTE-TIN <sup>6</sup> |                                   |   |
| <b>Q</b>    | SILVER <sup>4,5</sup>              | SILVER <sup>5</sup>    | POWER                             | TX01 MODELS: 3 AMPS @ 120 V AC OR 28 V DC.<br>ALL OTHER MODELS: 2 AMPS @ 120 V AC OR 28 V DC.   |
| <b>G</b>    | GOLD OVER<br>SILVER <sup>2,3</sup> | GOLD <sup>3</sup>      | LOW LEVEL/DRY<br>CIRCUIT OR POWER | TX01 MODELS: 0.4 VA MAX @ 20 V AC OR DC MAX. OR<br>3 AMPS @ 120 V AC OR 28 V DC.<br>ALL OTHER MODELS: 0.4 VA MAX @ 20 V AC OR DC MAX. OR<br>2 AMPS @ 120 V AC OR 28 V DC. |
| <b>R</b>    |                                    | MATTE-TIN <sup>6</sup> |                                   |   |

\* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

- 1 CONTACTS & TERMINALS: Copper alloy, with gold plate over nickel plate.
- 2 END CONTACTS: Coin silver, with gold plate over nickel plate.
- 3 CENTER CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.
- 4 END CONTACTS: Coin silver, silver plated.
- 5 CENTER CONTACT & ALL TERMINALS: Copper alloy, silver plated.
- 6 TERMINALS: Copper alloy, with matte-tin over nickel plate.

**NOTE:** Any models supplied with B, G, P, Q & R contact material are RoHS compliant.

All models  with all options when ordered with G, Q, or R contact material.

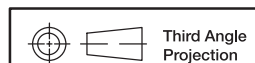
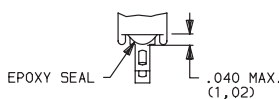
B contact material standard with A, AV, V3 terminations.

Q contact material standard with C & Z terminations.

P & R contact materials not available with Z terminations.

## SEAL

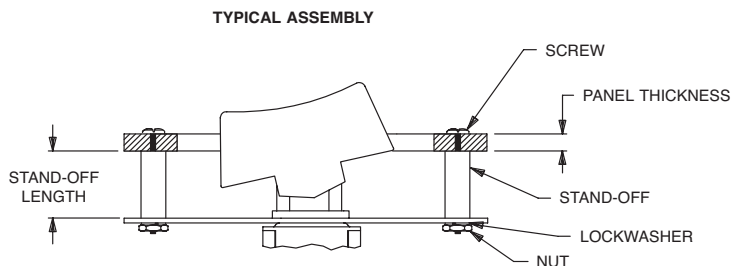
### E EPOXY SEAL



# T Series Subminiature Rocker Switches

## AVAILABLE HARDWARE

Panel mounting hardware for rocker and lever handle switches is available separately. Mounting hardware consists of two screws, two nuts, two standoffs and two lockwashers per switch, and is available for panel thicknesses of 1/16, 3/32 and 1/8 inch. See part numbers below.



| PART NO.  | PANEL THK.      | STANDOFF LENGTH |
|-----------|-----------------|-----------------|
| 761101000 | 1/16 IN. (1,59) | .295 (7,49)     |
| 761102000 | 3/32 IN. (2,38) | .264 (6,71)     |
| 761103000 | 1/8 IN. (3,18)  | .233 (5,92)     |

**NOTE:** Additional nuts, screws and lockwashers available separately, see Technical Data section of this catalog.

### J1 Actuator



PART NO.  
**468002263** BLACK

Material: Nylon  
Finish: Matte

### J6 Actuator



PART NO.  
**468102263** BLACK

Material: Nylon  
Finish: Matte

**NOTE:** Other colors, custom actuator markings and legends available, consult Customer Service Center.



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

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- 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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**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.