

ET Series

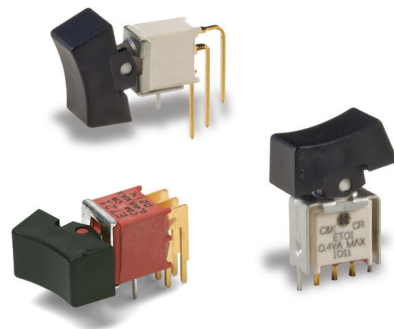
Sealed Subminiature Rocker Switches

Features/Benefits

- Sealed against solder and cleaning process contaminants
- Rocker, bushing & case—UL 94V-0
- Small footprint—saves space
- RoHS compliant

Typical Applications

- Telecommunications
- Instrumentation
- Computers & peripherals



Specifications

CONTACT RATING: B contact material: 0.4 VA max. @ 20 V AC or DC max. Q contact material: Copper alloy, silver plated. See page G-43 for additional ratings.

ELECTRICAL LIFE: ETX1 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: 10⁹ 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).

PACKAGING: Surface mount switches standard in tape and reel packaging, see page G-45 for drawings and reel information.

Materials

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

ACTUATOR: Nylon, black standard. Internal o-ring seal standard with all actuators. SA surface mount: High temperature material, glass filled 46 nylon, flame retardant, heat stabilized (UL 94V-0).

SWITCH SUPPORT: Brass, matte-tin plated.

CONTACTS & TERMINALS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Copper alloy, silver plated. See page G-43 for additional contact materials.

TERMINAL SEAL: Epoxy.

NOTE: Any models supplied with Q, B, G, S, P & 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.

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-40 thru G-44. For additional options not shown in catalog, consult Customer Service Center. All models are process sealed to withstand machine soldering temperatures and pressure wash cleaning methods.

Switch Function	Actuator	Terminations	Contact Material	Seal	Actuator Color
ET01 SP On-None-On	J1 Rocker	A Right angle, PC thru-hole	B Gold	E Epoxy	2 Black
ET02 SP Off-None-On	J6 Rocker	AV Vertical Right angle, PC thru-hole	P Gold, matte tin		1 White
ET03 SP On-Off-On		C PC Thru-hole	Q Silver		3 Red
ET05 SP Mom.-Off-Mom.		V3 V-bracket	S Silver, matte-tin		
ET07 SP On-Off-Mom.		AV2 Vertical Right angle, PC thru-hole	G Gold over silver		
ET08 SP On-None-Mom.		SA Right Angle Surface mount	R Gold over silver, matte-tin		
ET21 DP On-None-On					
ET27 DP On-Off-Mom.					
ET28 DP On-None-Mom.					

Rocker



G



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

ET Series

Sealed Subminiature Rocker Switches

SWITCH FUNCTION								
NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
SP	ET01	ON	NONE	ON	2-3	N/A	2-1	
	ET03	ON	OFF	ON				
	ET05	MOM.	OFF	MOM.				
	ET07	ON	OFF	MOM.				
	ET08	ON	NONE	MOM.	N/A			
	ET02	OFF	NONE	ON	OPEN	N/A	3-1	SPST
25° POS. 3 POS. 2 POS. 1 C&K MARKING ON OPPOSITE SIDE EPOXY SEAL .020 x .030 TYP. (0, 51) (0, 76) .100 TYP. (2, 54) .130 (3, 30) .670 (17, 02) .444 (11, 28) .783 (19, 89) ET02 Models: Omit terminal 2 .320 (8, 13) .200 (5, 08) 3 2 1 Terminal Nos. For Reference Only								
DP	ET21	ON	NONE	ON	2-3,5-6	N/A	2-1,5-4	
	ET27	ON	OFF	MOM.		OPEN		
	ET28	ON	NONE	MOM.		N/A		
25° POS. 3 POS. 2 POS. 1 C&K MARKING ON OPPOSITE SIDE EPOXY SEAL .020 TYP. (0, 51) .100 TYP. (2, 54) .130 (3, 30) .670 (17, 02) .444 (11, 28) .783 (19, 89) Terminal Nos. For Reference Only .360 (9, 14) .200 (5, 08) .320 (8, 13) .030 TYP. (0, 76) TERM. WIDTH 6 5 4 3 2 1 Terminal Nos. For Reference Only								

MOM. = Momentary

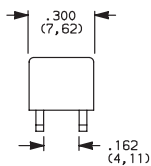
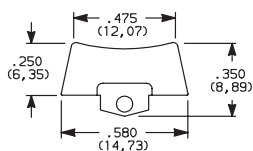
All models with all options when ordered with G, S, R or Q contact material.



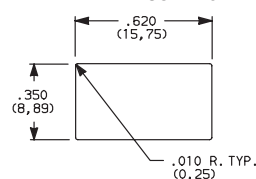
ET Series Sealed Subminiature Rocker Switches

ACTUATOR

J1 ROCKER

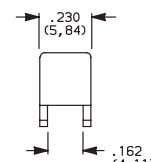
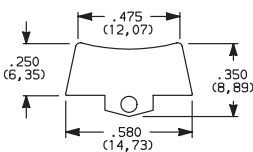


PANEL MOUNTING

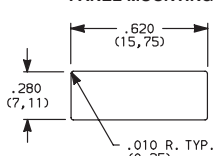


Available with all models except ET0X with A & SA & SA1 terminations.

J6 ROCKER



PANEL MOUNTING



Standard with ET0X model with A & SA & SA1 terminations.

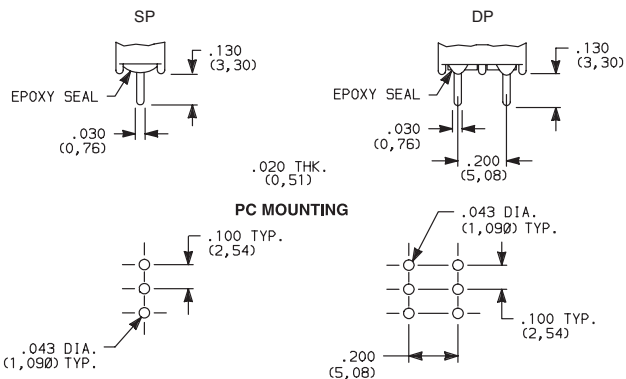
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

Actuators available separately, see page G-45.
Finish: Matte. Other colors, custom actuator markings and legends available, consult Customer Service Center.

NOTE: Internal o-ring actuator seal standard.

TERMINATIONS

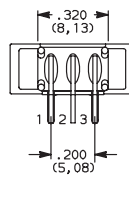
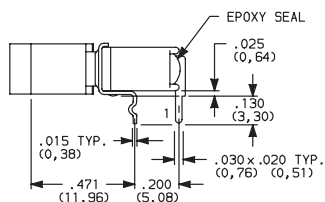
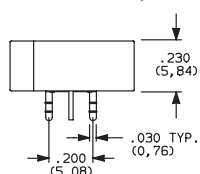
C PC THRU-HOLE



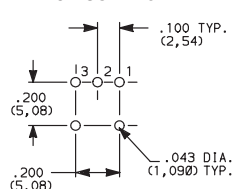
ET02 Models: Omit center hole.

SP & DP

A RIGHT ANGLE, PC THRU-HOLE



PC MOUNTING



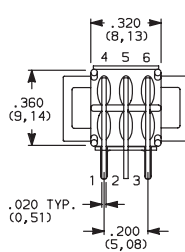
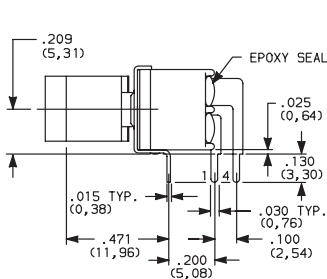
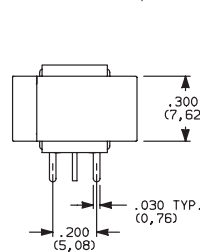
ET01J6ABE2
Horizontal Actuation
SPDT

Actuator Shown In Pos. 1

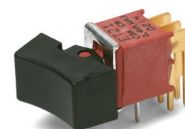
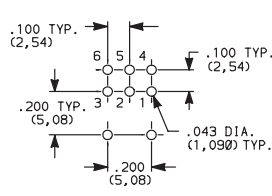
Not available with ET02 model.

J6 actuator std. only on ET0X models with A terminations.

A RIGHT ANGLE, PC THRU-HOLE

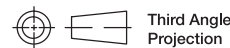


PC MOUNTING



ET21J1ABE2
Horizontal Actuation
DPDT

Actuator Shown In Pos. 1



Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

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Rocker



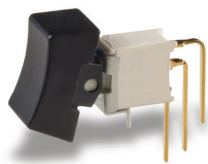
G

C&K

ET Series Sealed Subminiature Rocker Switches

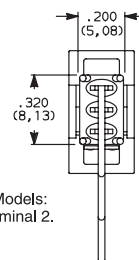
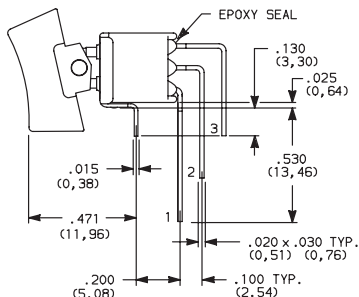
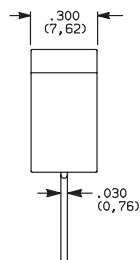
TERMINATIONS

AV VERTICAL RIGHT ANGLE, PC THRU-HOLE



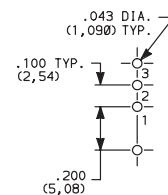
ET01J1AVBE2
Vertical Actuation
SPDT

Actuator Shown In Pos. 1



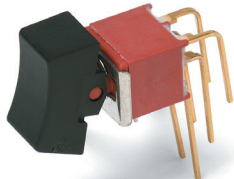
ET02 Models:
Omit terminal 2.

PC MOUNTING



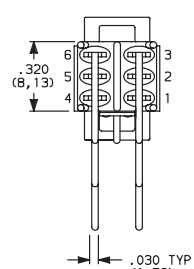
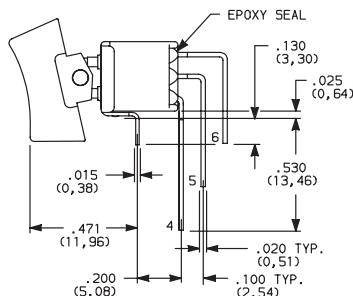
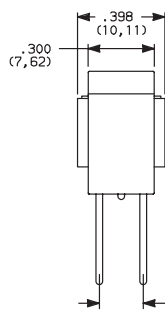
NOTE: Terminal bend radii and lead-in manufacturing option.

AV VERTICAL RIGHT ANGLE, PC THRU-HOLE

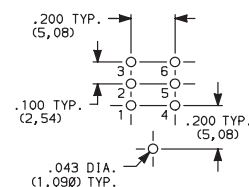


ET21J1AVBE2
Vertical Actuation
DPDT

Actuator Shown In Pos. 1

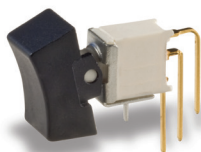


PC MOUNTING

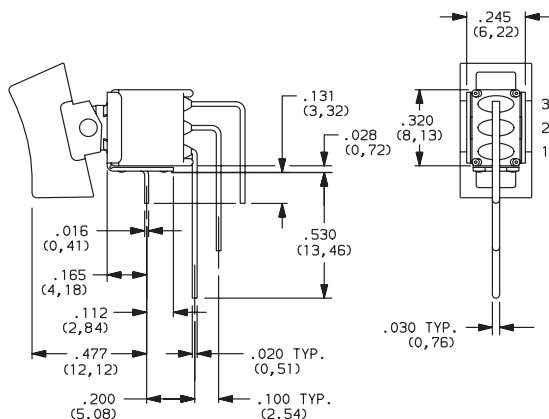
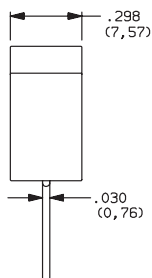


NOTE: Terminal bend radii and lead-in manufacturing option.

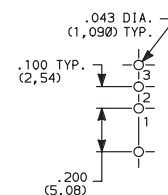
AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE



ET01J1AV2BE2
Vertical Actuation
SPDT



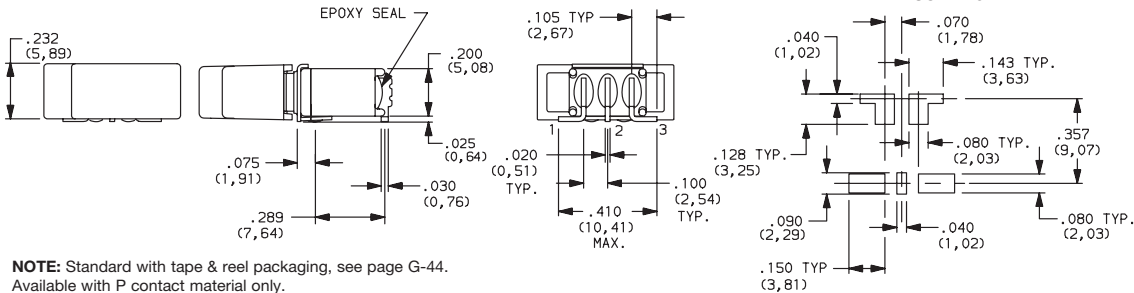
PC MOUNTING



ET Series Sealed Subminiature Rocker Switches

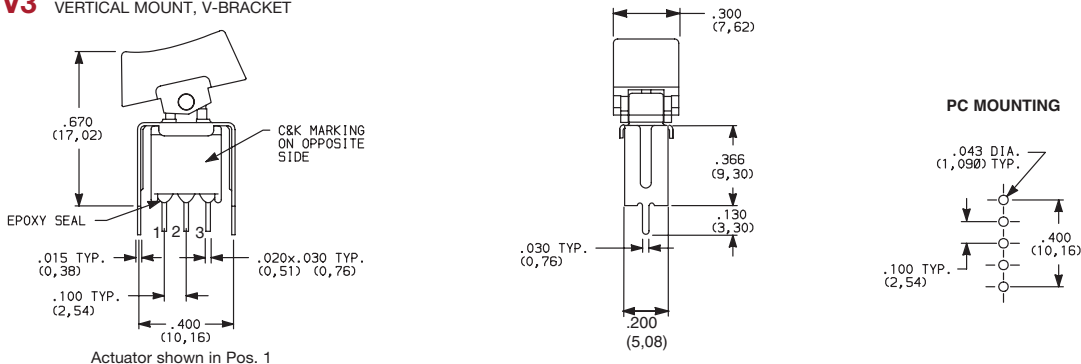
TERMINATIONS

SA RIGHT ANGLE, SURFACE MOUNT



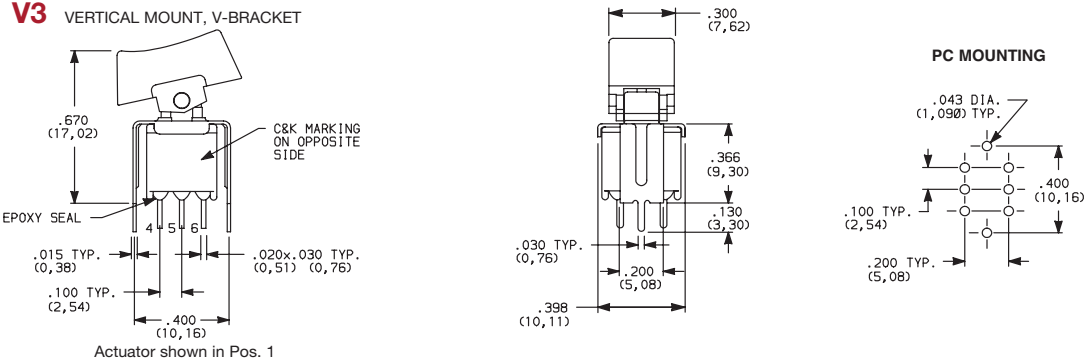
ET01J6SAPE2
Horizontal Actuation
SPDT

V3 VERTICAL MOUNT, V-BRACKET



ET01J1V3BE2
SPDT

V3 VERTICAL MOUNT, V-BRACKET



ET21J1V3BE2
DPDT

CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
B	GOLD ¹	GOLD ¹	LOW LEVEL/ DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
P		MATTE-TIN ⁶		
Q	SILVER ^{4,5}	SILVER ⁵	POWER	ETX1 MODELS: 3 AMPS @ 120 V AC OR 28 V DC. ALL OTHER MODELS: 2 AMPS @ 120 V AC OR 28 V DC.
S		MATTE-TIN ⁶		
G	GOLD OVER SILVER ^{2,3}	GOLD ³	LOW LEVEL/DRY CIRCUIT OR POWER	ETX1 MODELS: 0.4 VA MAX @ 20 V AC OR DC MAX. OR 3 AMPS @120 V AC OR 28 V DC. ALL OTHER MODELS: 0.4 VA MAX @ 20 V AC OR DC MAX. OR 2 AMPS @ 120 V AC OR 28 V DC.
R		MATTE-TIN ⁶		

* 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.

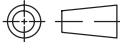
⁴ END CONTACTS: Coin silver, silver plated.

⁵ CENTER CONTACT & ALL TERMINALS: Copper alloy, silver plated.

⁶ TERMINALS: Copper alloy, with matte-tin over nickel plate.

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

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



Third Angle
Projection

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

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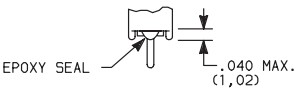


ET Series

Sealed Subminiature Rocker Switches



E EPOXY SEAL



AVAILABLE HARDWARE

J1 Actuator



PART NO.

- 261A01000 WHITE
- 261A02263 BLACK
- 261A03000 RED

Material: Nylon
Finish: Matte
NOT AVAILABLE WITH A, SA, SA1

J6 Actuator



PART NO.

- 621C01000 WHITE
- 621C02263 BLACK
- 621C03000 RED

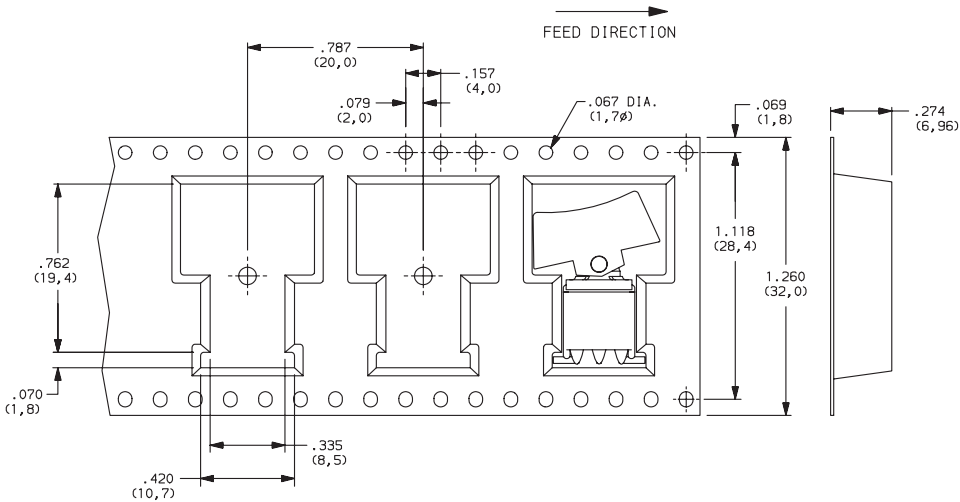
Material: Nylon
Finish: Matte
For Hi Temp, Consult Factory

NOTE: Other colors available, consult Customer Service Center.

TAPE & REEL SA TERMINATION

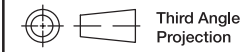
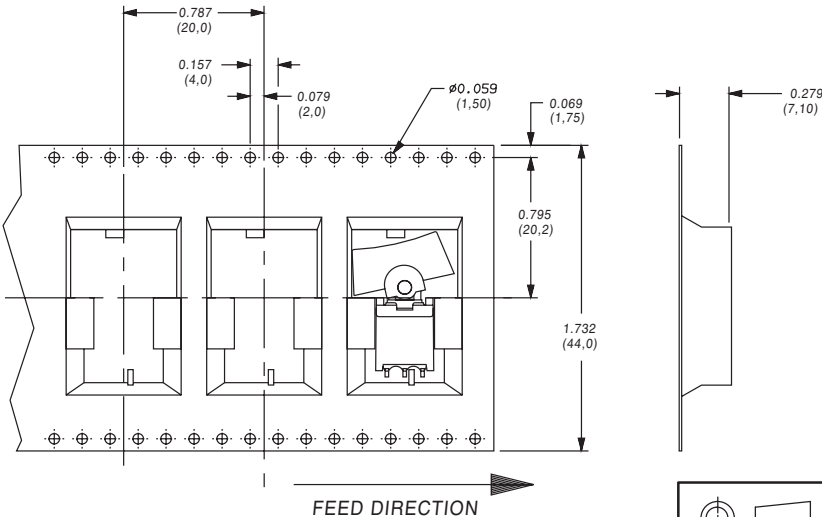
ET01J6SABE (SHOWN)

REEL INFORMATION	
OUTSIDE DIAMETER	13.00 (330,0)
PILOT HOLE	.512 (13,0)
QUANTITY PER REEL	500



ET01J6SA1BE (SHOWN)

REEL INFORMATION	
OUTSIDE DIAMETER	13.00 (330,0)
PILOT HOLE	.795 (20,20)
QUANTITY PER REEL	450



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





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

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

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