

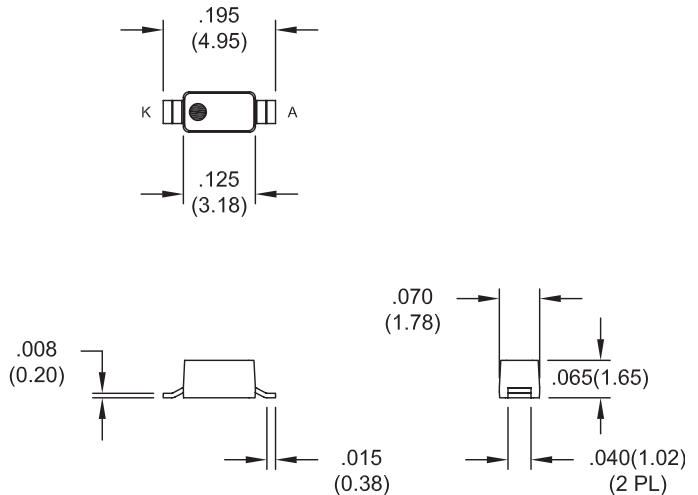
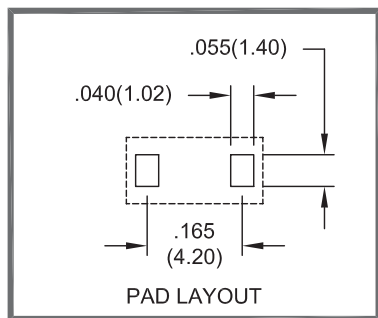
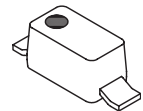
# Single Rectifier - 1,800V

10mA • 70ns

ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS												
Part Number	Working Reverse Voltage (V <sub>rwm</sub> )	Average Rectified Current (I <sub>o</sub> )		Reverse Current @ V <sub>rwm</sub> (I <sub>r</sub> )		Forward Voltage (V <sub>f</sub> )		1 Cycle Surge Current t <sub>p</sub> =8.3ms (I <sub>fsm</sub> )	Repetitive Surge Current (I <sub>frm</sub> )	Reverse Recovery Time (3) (T <sub>rr</sub> )	Thermal Impd.  θ <sub>J-C</sub>	Junction Cap. @4VDC @25kHz (C <sub>j</sub> )
		55°C(1)	100°C(2)	25°C	100°C	25°C		25°C	25°C	25°C	25°C	25°C
	Volts	mA	mA	µA	µA	Volts	mA	Amps	Amps	ns	°C/W	pF
SRP18U	1800	10.0	5.0	0.010	5.00	4.0	100	2.0	0.5	70	100	2.0
(1)TC=55°C (2)TC=100°C (3)I <sub>f</sub> =0.125A, I <sub>r</sub> =0.25A, I <sub>rr</sub> =0.063A *Op. Temp.= -55°C to +150°C Stg. Temp.= -55°C to +175°C												

Plating: Gold Plating per MIL-G-45204C, Type II, 10-15 µinches.

PRELIMINARY



Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.



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