

## Power Schottky Rectifier - 2Amp 40Volt

**Features**

- For surface mounted applications
- Low profile package
- Built-in strain relief
- Metal silicon junction, majority carrier conduction
- Low power loss, high efficiency
- High current capability, low forward voltage drop
- High temperature soldering guaranteed
- High reliability
- High surge current capability
- Epitaxial construction
- Lead free device
- Halogen-Free

**Mechanical data**

- Case : Molded plastic
- Epoxy : UL 94V-0 rate flame retardant
- Terminals : Solder plated, solderable per MIL-STD-750,method 2026
- Polarity : Color band denotes cathode end
- Weight : 0.002 ounce 0.064 grams

**Maximum ratings and Electrical characteristics**

Parameters	SSR2L4	UNIT
Maximum Recurrent Peak Reverse Voltage	40	V
Maximum RMS Voltage	28	V
Maximum DC Blocking Voltage	40	V
Maximum Average Forward Rectified Current	2	A
Peak Forward Surge Current	50	A
Maximum Instantaneous Forward Voltage at 2A	Tc = 25°C	0.45
	Tc = 125°C	0.35
Maximum Average Reverse Current at Rated DC Blocking Voltage	Tc = 25°C	0.5
	Tc = 100°C	20
Typical Junction Capacitance	150	pF
Typical Thermal Resistance R <sub>θJL</sub> (Note 1)	25	°C/W
Operating and Storage Temperature Range	-50 to +125	°C

Note : 1. Mounted on P.C.B with copper pad size 8mm x 8mm

September 2015 / Rev.7.1

# SSR2L4

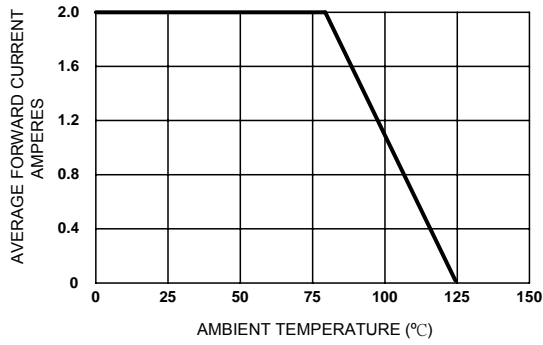


Figure 1. Forward Current Derating Curve

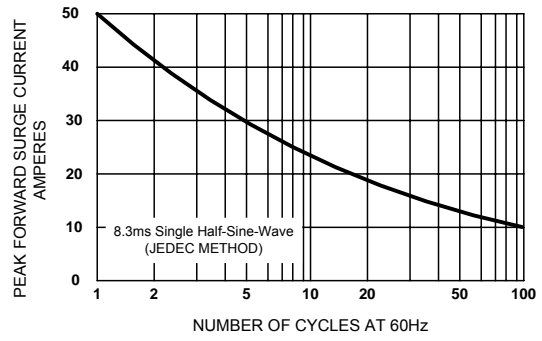


Figure 2. Maximum Non-repetitive Surge Current

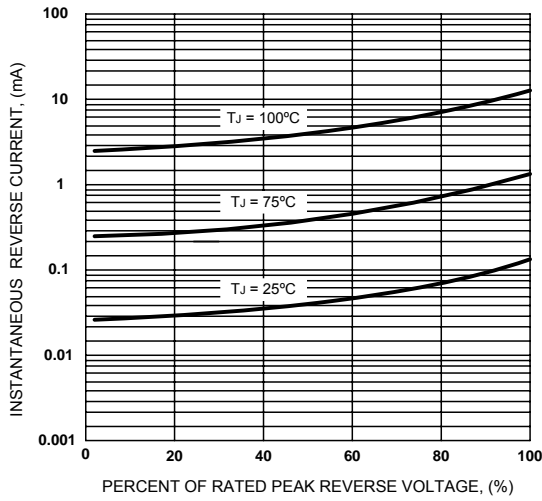


Figure 3. Typical Reverse Characteristics

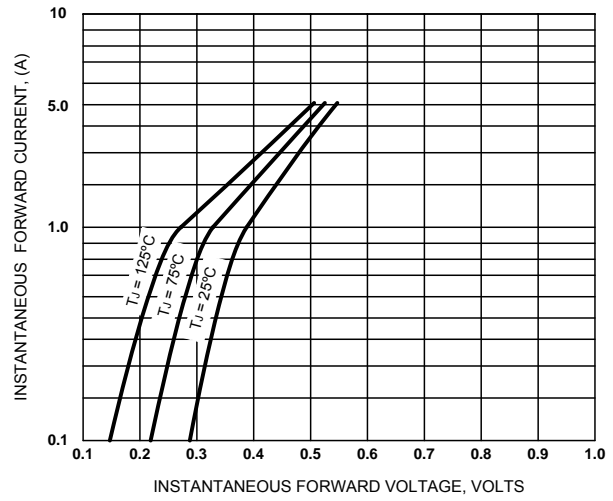


Figure 4. Typical Forward Characteristics

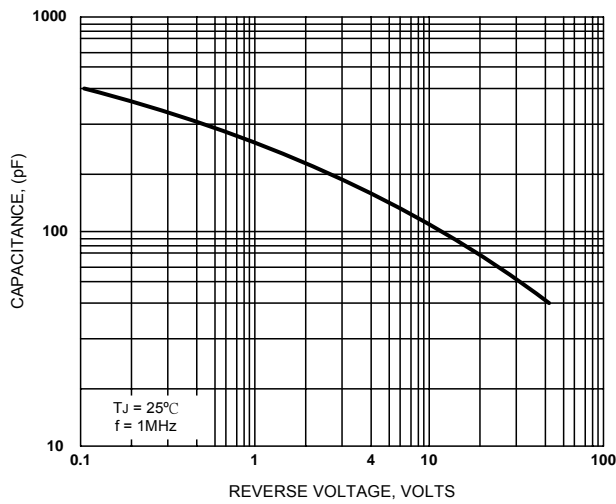


Figure 5. Typical Junction Capacitance



Sirectifier Semiconductor Inc.

U.S.A.: [sqc@sirect.com](mailto:sqc@sirect.com)

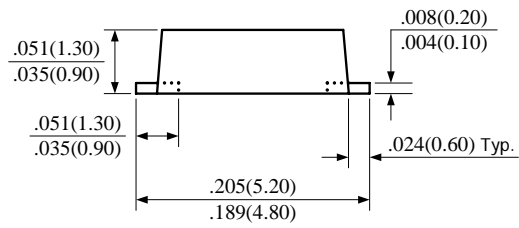
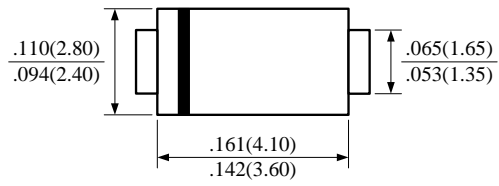
China: [st@sirect.com](mailto:st@sirect.com)

Taiwan: [se@sirect.com](mailto:se@sirect.com)

Hong Kong: [hk@sirect.com](mailto:hk@sirect.com)

**SSR2L4**

**SMA - FT**



UNIT : inch(mm)

