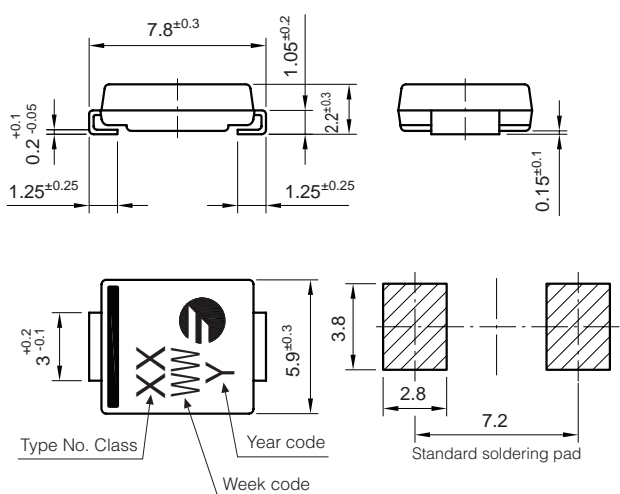



5 Amp. Surface Mounted Glass Passivated Rectifier

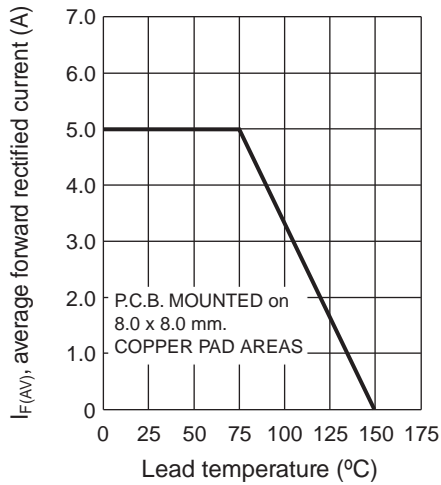
<p>Dimensions in mm.</p>  <p> Type No. Class Year code Week code </p>	<p>CASE: SMC/DO-214AB</p>	<p>Voltage 500 to 1000 V</p>	<p>Current 5.0 A</p>
			
<ul style="list-style-type: none"> • Glass passivated junction • High current capability • The plastic material carries U/L 94 V-0 • Low profile package • Easy pick and place • High temperature soldering 260 °C 10 sec 			
<p>MECHANICAL DATA</p> <p>Terminals: Solder plated, solderable per IEC 68-2-20. Standard Packaging: 8 mm. tape (EIA-RS-481). Weight: 1.12 g.</p>			

Maximun Ratings and Electrical Characteristics at 25°C

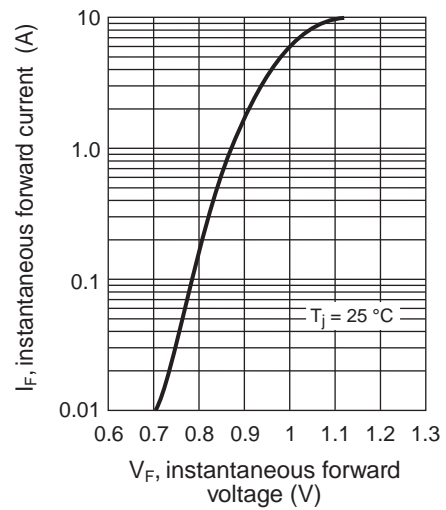
		FS5A	FS5B	FS5D	FS5G	FS5J	FS5K	FS5M
Marking Code		O1	O2	O3	O4	O5	O6	O7
V _{RRM}	Maximum Recurrent Peak Reverse Voltage (V)	50	100	200	400	600	800	1000
V _{RMS}	Maximum RMS Voltage (V)	35	70	140	280	420	560	700
V _{DC}	Maximum DC Blocking Voltage (V)	50	100	200	400	600	800	1000
I _{F(AV)}	Forward current at T _L = 75 °C	5 A						
I _{FSM}	8.3 ms. peak forward surge current (Jedec Method)	100 A						
V _F	Maximum Instantaneous Forward Voltage at 5 A	1.15 V						
I _R	Maximum DC Reverse Current Ta = 25 °C at Rated DC Blocking Voltage Ta = 125 °C	10 µA 250 µA						
C _j	Typical Junction Capacitance (1MHz; -4V)	60 pF						
R _{th(j-l)}	Typical Thermal Resistance	13 °C/W						
R _{th(j-a)}	(5x5 mm ² x 130 µ Copper Area)	47 °C/W						
T _j - T _{stg}	Operating Junction and Storage Temperature Range	-55 to + 150 °C						

Rating And Characteristic Curves

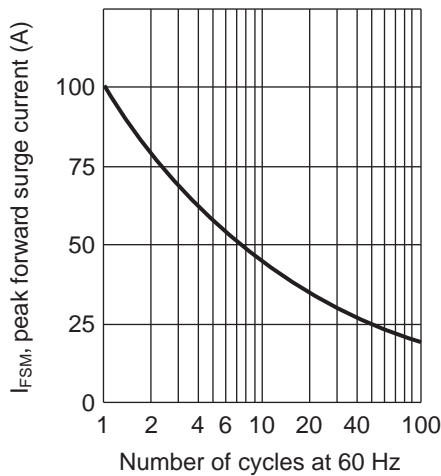
FORWARD CURRENT DERATING CURVE



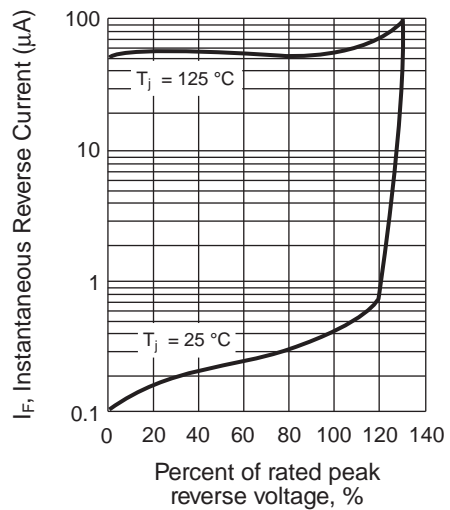
TYPICAL FORWARD CHARACTERISTIC



MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT



TYPICAL REVERSE CHARACTERISTIC



TYPICAL JUNCTION CAPACITANCE

