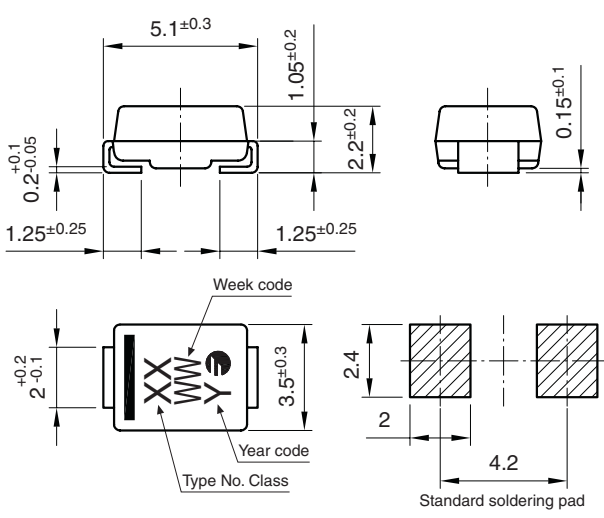



3 Amp. Surface Mounted Glass Passivated Ultrafast Recovery Rectifier

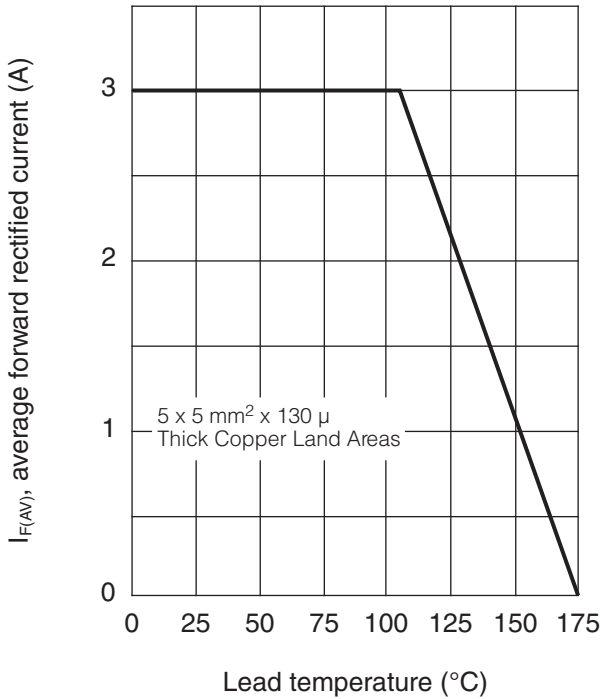
<p>Dimensions in mm.</p> <p>CASE: SMB/DO-214AA</p> 	<p>Voltage 600 V</p> <p>Current 3.0 A</p>  <ul style="list-style-type: none"> • Glass passivated junction • High current capability • The plastic material carries U/L 94 V-0 • Low profile package • Easy pick and place • High temperature soldering 260 °C 10 sec <p>MECHANICAL DATA Terminals: Solder plated, solderable per IEC 68-2-20. Standard Packaging: 8 mm. tape (EIA-RS-481). Weight: 1.12 g.</p>
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Maximum Ratings and Electrical Characteristics at 25 °C

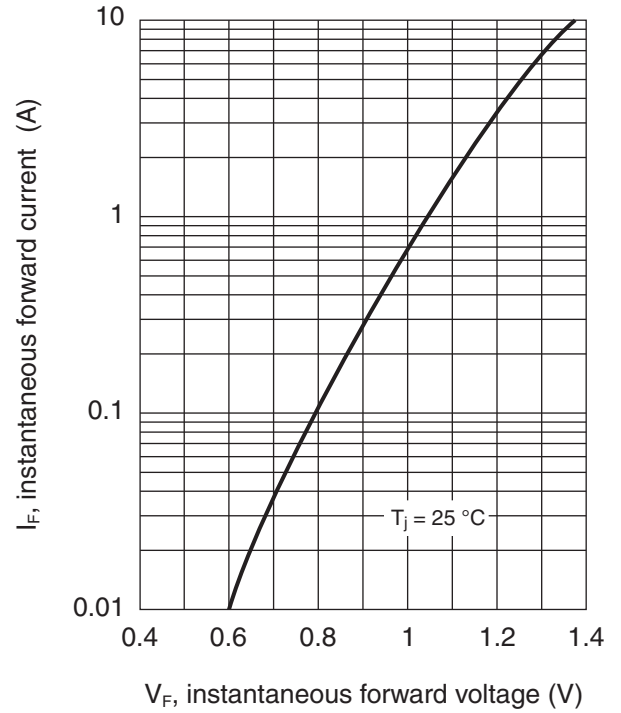
		FURS360B
Marking Code		V7
V_{RRM}	Maximun Recurrent Peak Reverse Voltage (V)	600
$I_{F(AV)}$	Forward current at $T_L = 105\text{ °C}$	3.0 A
I_{FSM}	8.3 ms. peak forward surge current (Jedec Method)	100 A
V_F	Maximun Instantaneous Forward Voltage at 3.0 A at 25 °C at 150 °C	1.25 V 1.05 V
I_R	Maximun DC Reverse Current at Rated DC Blocking Voltage $T_a = 25\text{ °C}$ $T_a = 150\text{ °C}$	3 μ A 150 μ A
t_{rr}	Maximun reverse recovery time from $I_F = 0.5\text{ A}$; $I_R = 1\text{ A}$; $I_{RR} = 0.25\text{ A}$	50 ns
R_{thj-l} R_{thj-a}	Typical thermal resistance (5x5 mm ² x 130 μ m Copper Area)	20 °C/W 60 °C/W
$T_j - T_{stg}$	Operating Junction and Storage Temperature Range	-65 to + 175 °C

Rating And Characteristic Curves

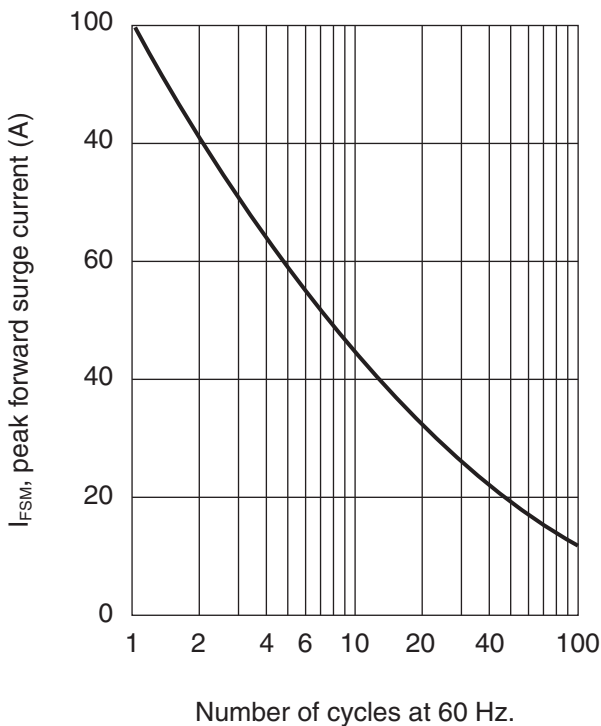
FORWARD CURRENT DERATING CURVE



TYPICAL FORWARD CHARACTERISTIC



MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT



TYPICAL REVERSE CHARACTERISTIC

