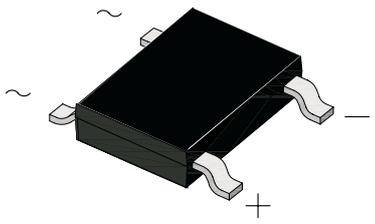
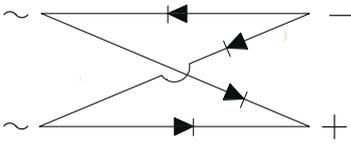


1.0 Amp. Miniature Single Phase Glass Passivated Surface Mount Bridge Rectifier

<p>THIN MINI-DIP</p>  	<p>Voltage 600 V to 1000 V</p>	<p>Current 1.0 A</p>	
	<p>FEATURES</p> <ul style="list-style-type: none"> • Saves space on printed circuit boards • Ideal for automated placement • High surge current capability • Solder dip 260°C, 10s • Component in accordance to RoHS 2011/65/EU and WEEE 2002/96/EC • Meets MSL level 1, per J-STD-020, LF maximum peak of 260° C • Halogen-free available according to IEC 61249-2-21 definition 		
	<p>MECHANICAL DATA</p> <ul style="list-style-type: none"> • Case: THIN MINI-DIP. Epoxy meets UL 94V-0 flammability rating. • Polarity: As marked on body. • Terminals: Matte tin plated leads, solderable per MIL-STD-750 Method 2026, J-STD-002 and JESD22-B102. Consumer grade, meets JESD 201 class 1A whisker test. 		
<p>TYPICAL APPLICATIONS Used in general purpose ac-to-dc bridge full wave rectification for power supply, lighting ballaster, Battery charger, home appliances, office equipment, and telecommunication applications.</p>			

Maximum Ratings and Electrical Characteristics at 25°C

		ABS6	ABS8	ABS10
Marking Code		ABS6	ABS8	ABS10
Halogen Free Marking Code		ABS6 HF	ABS8 HF	ABS10 HF
V _{RRM}	Maximum Recurrent Peak Reverse Voltage (V)	600	800	1000
V _{RMS}	Maximum RMS Voltage (V)	420	560	700
V _{DC}	Maximum DC Blocking Voltage (V)	600	800	1000
I _{F(AV)}	Maximum average Forward Rectified Current On glass-Epoxy P.C.B. On aluminum substrate	0.8 A 1.0 A		
I _{FSM}	Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	30 A		
R _{th(j-l)}	Typical Thermal Resistance Junction to Lead	25 °C/W		
R _{th(j-a)}	On aluminum substrate On Glass-Epoxy substrate	62.5 °C/W 80 °C/W		
T _j	Operating Temperature Range	-50 to + 150 °C		
T _{stg}	Storage Temperature Range	-50 to + 150 °C		

Electrical Characteristics at Tamb = 25 °C

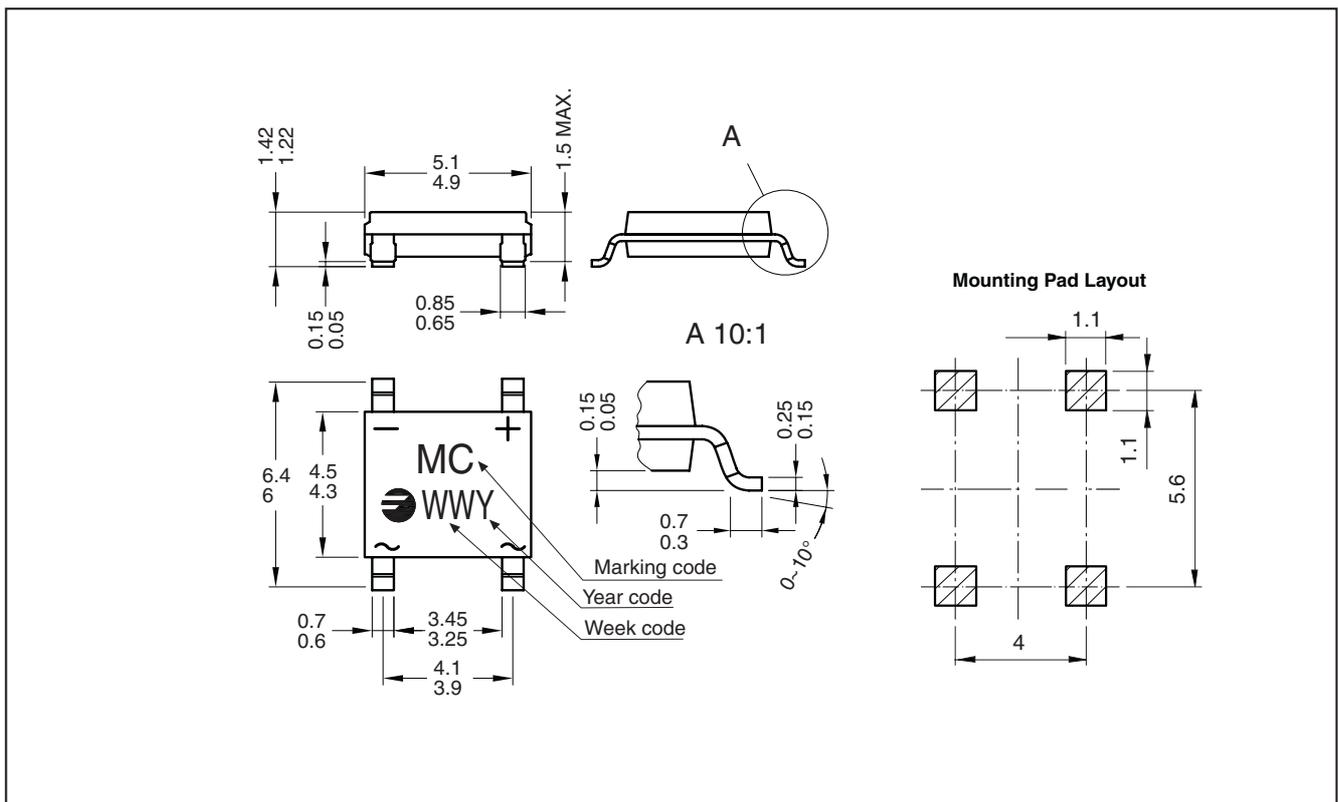
V _F	Maximum Instantaneous Forward Voltage @ 0.4A	0.95 V
I _R	Maximum DC Reverse Current @ T _A = 25 °C at Rated DC Blocking Voltage @ T _A = 125 °C	10 µA 150 µA

1.0 Amp. Miniature Single Phase Glass Passivated Surface Mount Bridge Rectifier

Ordering information

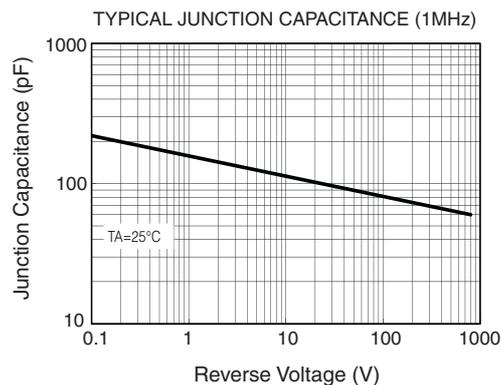
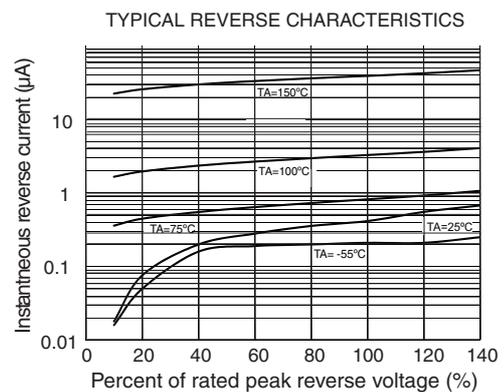
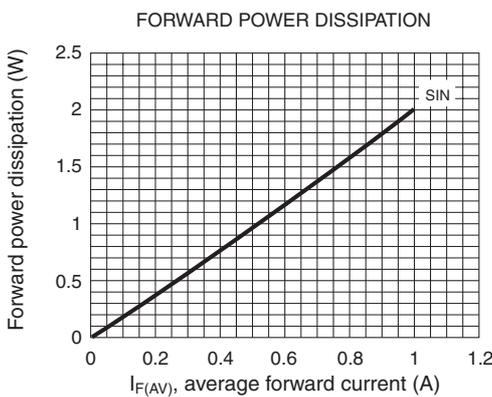
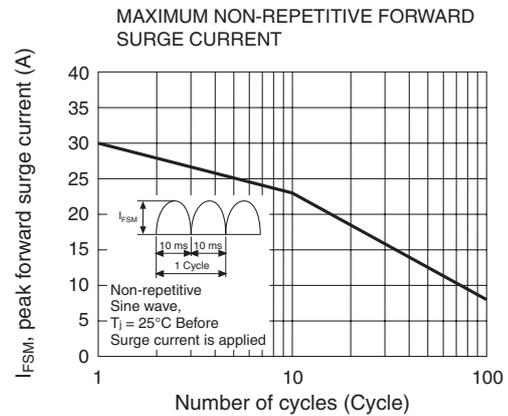
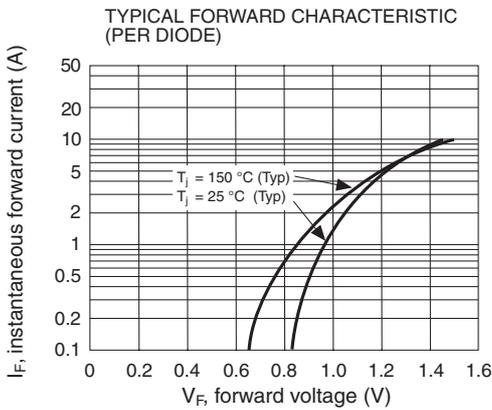
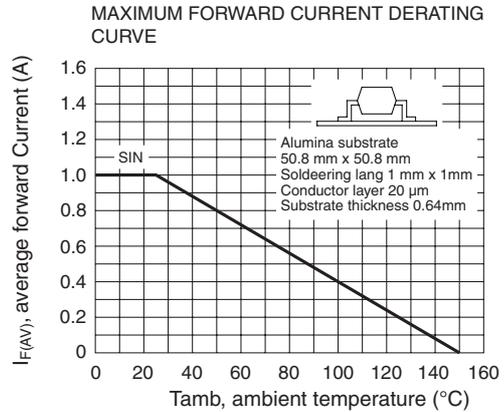
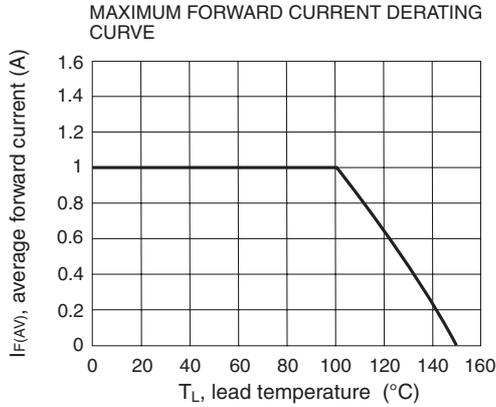
PREFERRED P/N	PACKAGE CODE	DELIVERY MODE	BASE QUANTITY	UNIT WEIGHT (g)
ABS6 TR	TR	13" diameter tape and reel	5,000	0.12
ABS10 HF TR	TR	13" diameter tape and reel	5,000	0.12

Package Outline Dimensions: (mm) THIN MINI-DIP



1.0 Amp. Miniature Single Phase Glass Passivated Surface Mount Bridge Rectifier

Ratings and Characteristics (Ta 25 °C unless otherwise noted)



1.0 Amp. Miniature Single Phase Glass Passivated Surface Mount Bridge Rectifier

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