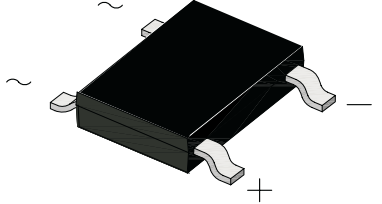
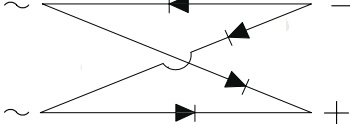




1.0 Amp. Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifier

<p style="text-align: center;">THIN DFS</p>  	<p style="text-align: center;">Voltage 400 to 1000 V</p> <p style="text-align: center;">Current 1.0 A</p>
	<p>FEATURE</p> <ul style="list-style-type: none"> • Ideal for automated placement • High forward surge current capability • 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 250 °C <div style="text-align: right;">   RoHS COMPLIANT </div>
	<p>MECHANICAL DATA</p> <ul style="list-style-type: none"> • Case: THIN DFS. 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</p> <p>Used in ac-to-dc bridge full wave rectification for SMPS, lighting ballaster, adapter, battery charger, home appliances, office equipment, and telecommunication applications.</p>

Maximun Ratings and Electrical Characteristics at 25 °C

		DBLS 104G	DBLS 105G	DBLS 106G	DBLS 107G
V_{RRM}	Maximum Recurrent Peak Reverse Voltage (V)	400	600	800	1000
V_{RMS}	Maximum RMS Voltage (V)	280	420	560	700
V_{DC}	Maximum DC Blocking Voltage (V)	400	600	800	1000
$I_{F(AV)}$	Maximum Average Forward Rectified Current at $T_A = 40\text{ °C}$	1.0 A			
I_{FSM}	Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	30 A			
C_j	Typical Junction Capacitance	25pF			
$R_{th(j-l)}$	Typical Thermal Resistance	15 °C/W			
$R_{th(j-a)}$		40 °C/W			
T_j	Operating Temperature Range	- 50 to + 150 °C			
T_{stg}	Storage Temperature Range				

Electrical Characteristics at Tamb = 25 °C

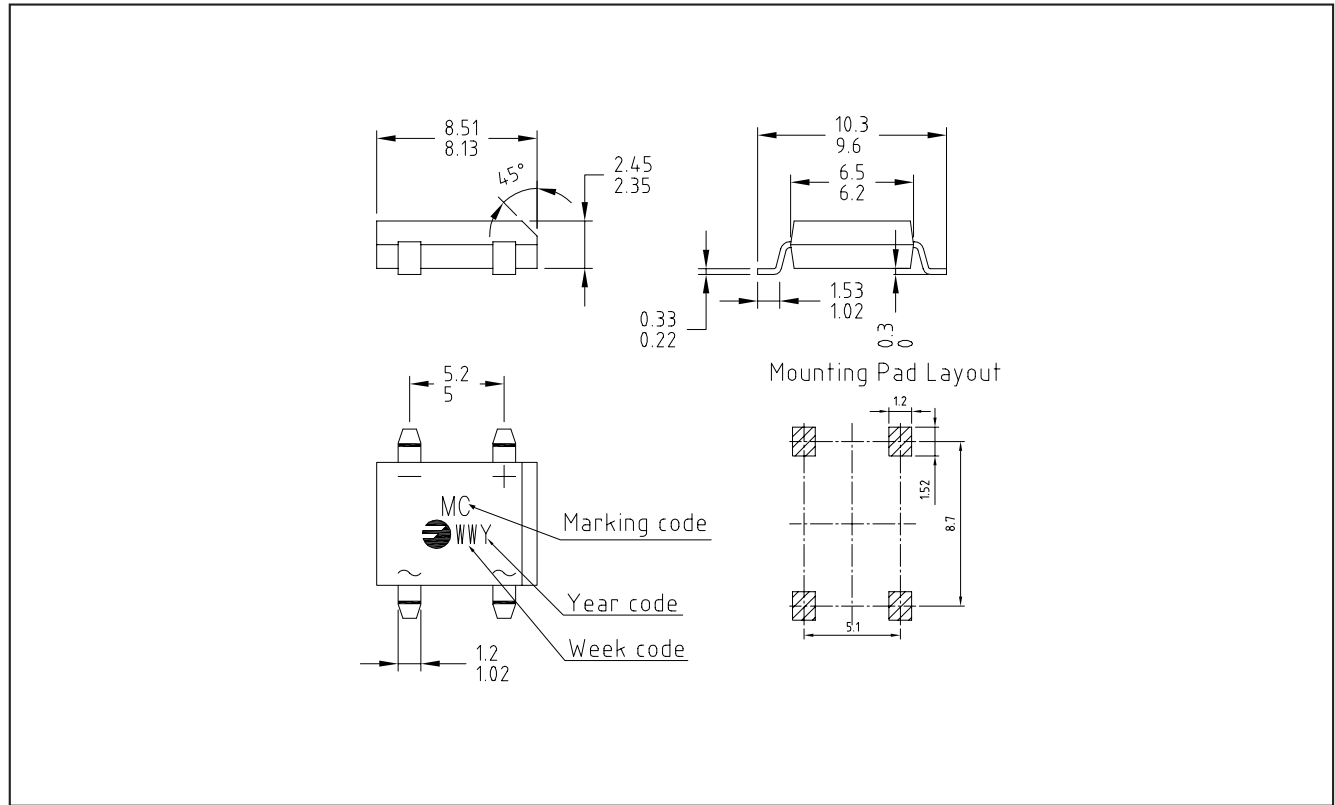
		DBLS 104G	DBLS 105G	DBLS 106G	DBLS 107G
V_F	Max. Instantaneous Forward Voltage at 1.0 A	1.1 V			
I_R	Maximum DC Reverse Current at $T_A = 25\text{ °C}$ at Rated DC Blocking Voltage at $T_A = 125\text{ °C}$	10 µA 500 µA			

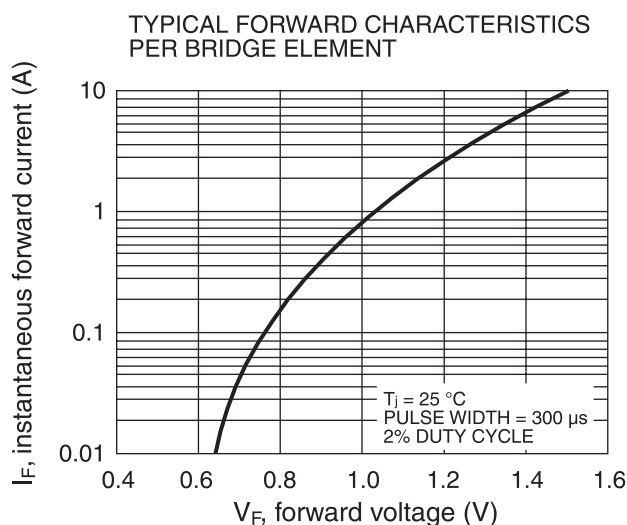
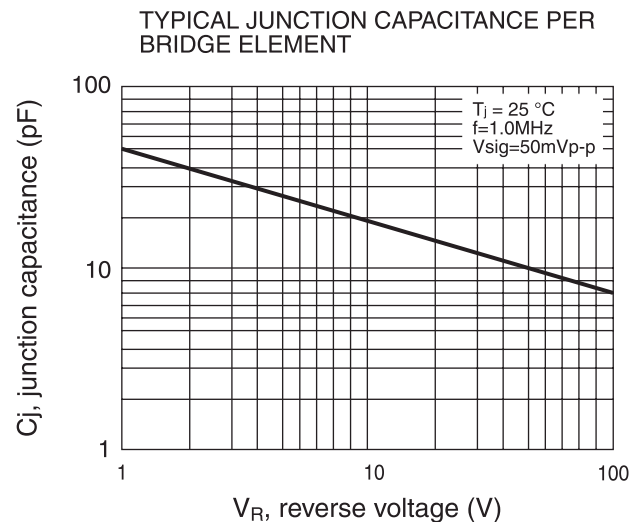
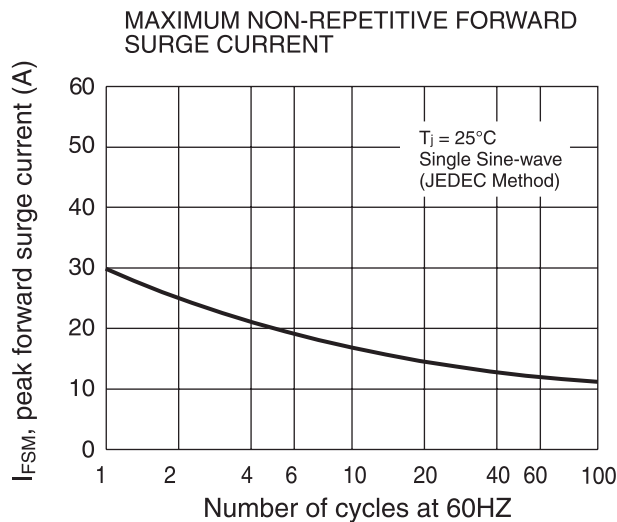
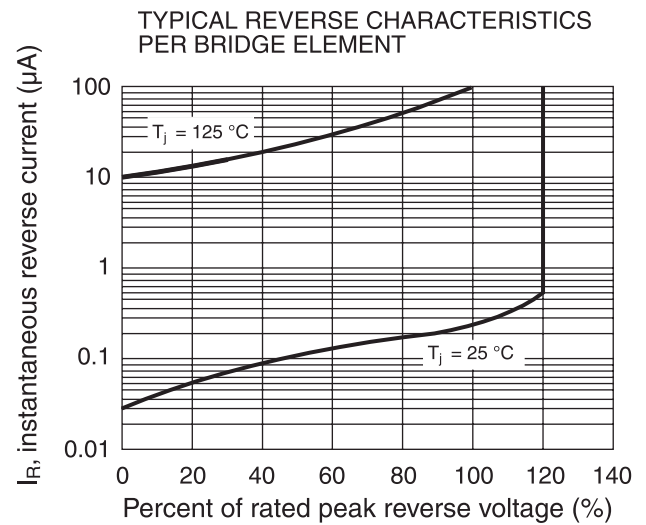
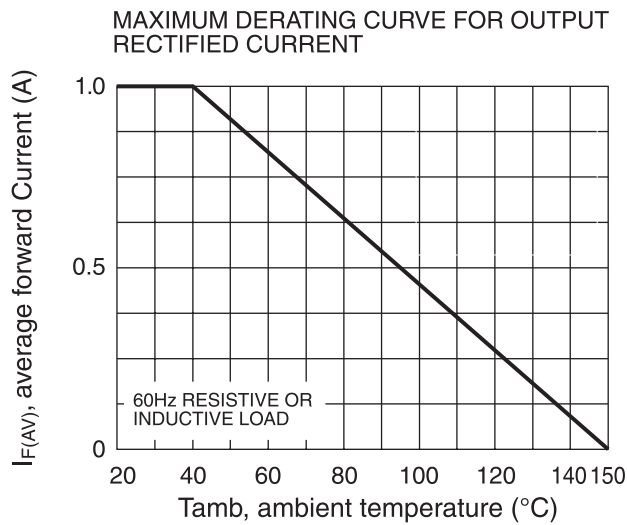
1.0 Amp. Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifier

Ordering information

PREFERRED P/N	PACKAGE CODE	DELIVERY MODE	BASE QUANTITY	UNIT WEIGHT (g)
DBLS107G TR	TR	13" diameter tape and reel	1,500	0.399

Package Outline Dimensions: (mm) THIN DFS



1.0 Amp. Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifier
Rating and Characteristics (T_a 25 °C unless otherwise noted)


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

Revision History

DATE	REVISION	DESCRIPTION OF CHANGES
15-Jun-2009	0	Original Data Sheet
24-Aug-2016	1	Modify dimension: height
14-Jan-2020	2	Review Package Outline Dimensions

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