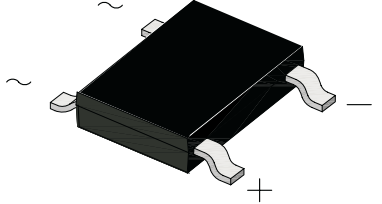
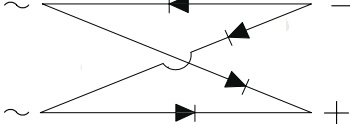




**1.0 Amp. Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifier**

<p style="text-align: center;"><b>THIN DFS</b></p>  	<p style="text-align: center;"><b>Voltage</b> 400 to 1400 V</p> <p style="text-align: center;"><b>Current</b> 2.0 A</p>
	<p><b>FEATURE</b></p> <ul style="list-style-type: none"> <li>• Ideal for automated placement</li> <li>• High forward surge current capability</li> <li>• Component in accordance to RoHS 2011/65/EU and WEEE 2002/96/EC</li> <li>• Meets MSL level 1, per J-STD-020, LF maximum peak of 250 °C</li> </ul> <div style="text-align: right;">     <b>RoHS</b> COMPLIANT         </div>
	<p><b>MECHANICAL DATA</b></p> <ul style="list-style-type: none"> <li>• <b>Case:</b> THIN DFS. Epoxy meets UL 94V-0 flammability rating.</li> <li>• <b>Polarity:</b> As marked on body.</li> <li>• <b>Terminals:</b> 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.</li> </ul>
<p><b>TYPICAL APPLICATIONS</b></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**

		<b>DBLS 204G</b>	<b>DBLS 205G</b>	<b>DBLS 206G</b>	<b>DBLS 207G</b>	<b>DBLS 208G</b>	<b>DBLS 209G</b>
$V_{RRM}$	Maximum Recurrent Peak Reverse Voltage (V)	400	600	800	1000	1200	1400
$V_{RMS}$	Maximum RMS Voltage (V)	280	420	560	700	840	980
$V_{DC}$	Maximum DC Blocking Voltage (V)	400	600	800	1000	1200	1400
$I_{F(VA)}$	Maximum Average Forward Rectified Current at $T_A = 40\text{ °C}$	2.0 A					
$I_{FSM}$	Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	50 A					
$R_{th(j-l)}$	Typical Thermal Resistance	15 °C/W					
$R_{th(j-a)}$		40 °C/W					
$T_j$	Operating Temperature Range	- 55 to + 150 °C					
$T_{stg}$	Storage Temperature Range						

**Electrical Characteristics at Tamb = 25 °C**

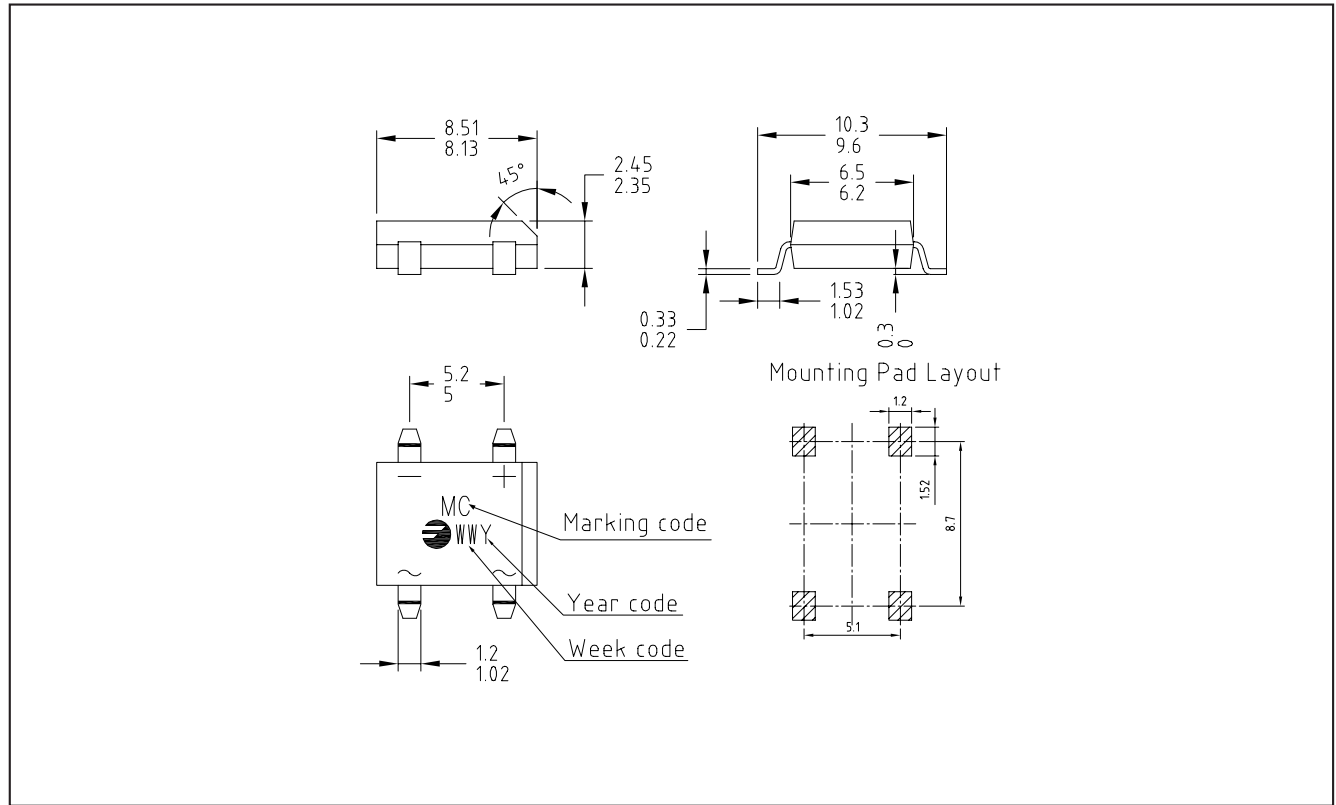
		DBLS 204G	DBLS 205G	DBLS 206G	DBLS 207G	DBLS 208G	DBLS 209G
V <sub>F</sub>	Max. Instantaneous Forward Voltage at 1.5 A	1.15 V				1.30 V	
I <sub>R</sub>	Maximum DC Reverse Current at T <sub>A</sub> = 25 °C at Rated DC Blocking Voltage at T <sub>A</sub> = 125 °C	10 µA 500 µA					

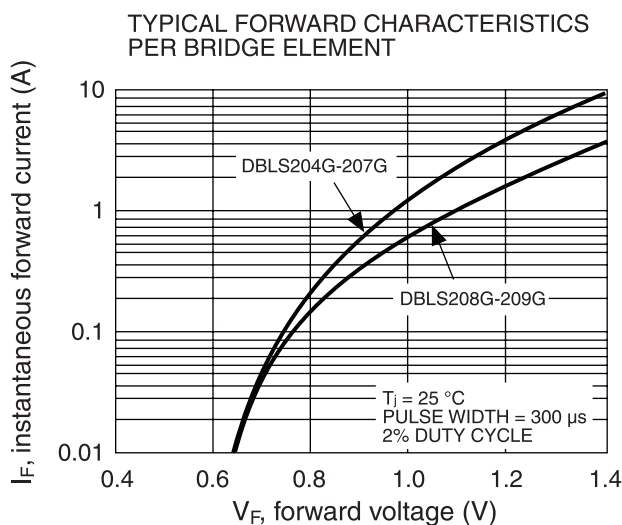
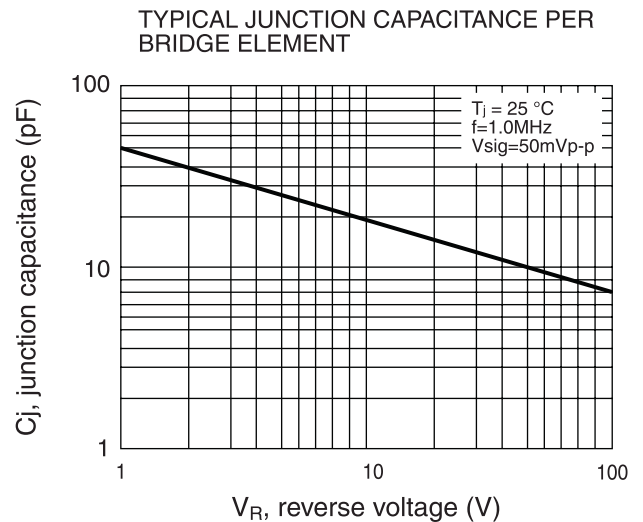
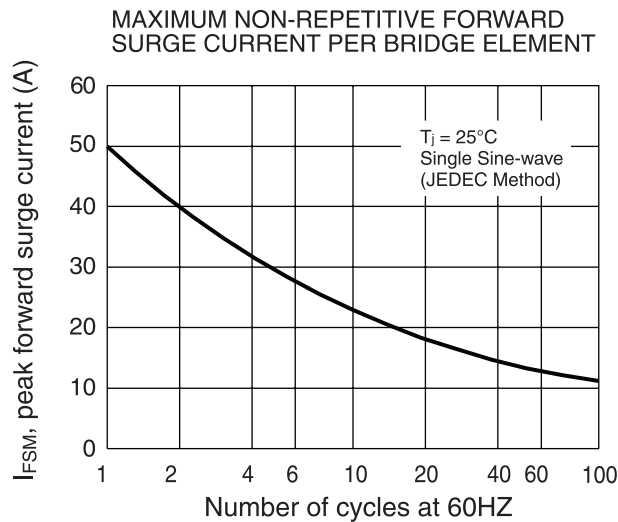
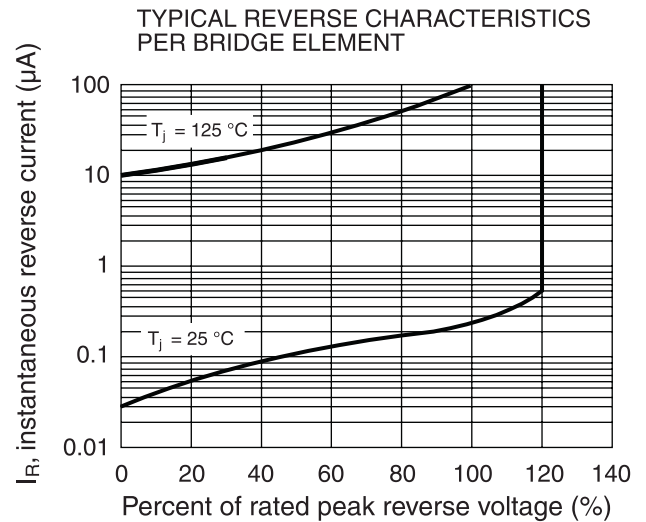
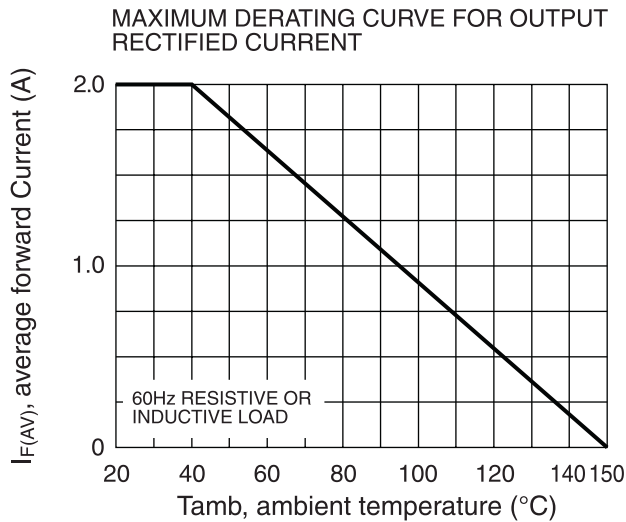
1.0 Amp. Miniature Glass Passivated Single-Phase Surface Mount Bridge Rectifier

Ordering information

PREFERRED P/N	PACKAGE CODE	DELIVERY MODE	BASE QUANTITY	UNIT WEIGHT (g)
DBLS204G 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-Oct-2013	0	Original Data Sheet
24-Aug-2016	1	Modify dimension: height
14-Jan-2020	2	Review Package Outline Dimensions

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