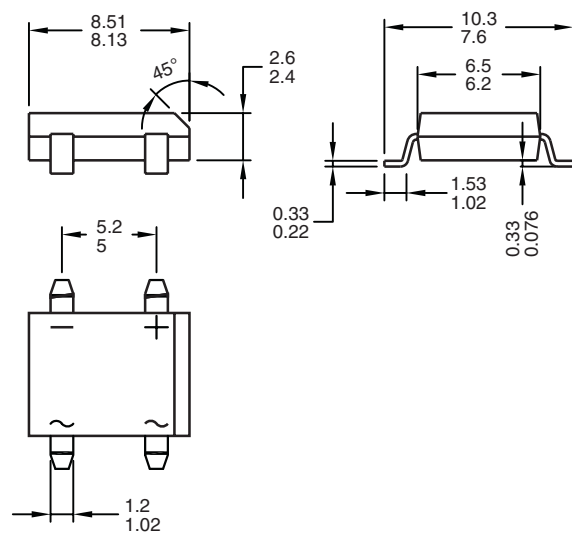


Single Phase 1.5 Amp. Glass Passivated Bridge Rectifiers

Dimensions in mm. <div style="text-align: center;"> CASE: THIN DF-S </div> 	Voltage 400 V-1400 V	Current 1.5 A	
<ul style="list-style-type: none"> Glass passivated junction Ideal for printed circuit board Reliable low cost construction utilizing molded plastic technique High surge current capability High temperature soldering guaranteed: 260 °C / 10 seconds at 5 lbs., (2.3 Kg) tension Small size, simple installation Pure tin plated terminal, Lead free. Leads solderable per MIL-STD-202, Method 208 			

Maximum Ratings and Electrical Characteristics

		DBLS 154G	DBLS 155G	DBLS 156G	DBLS 157G	DBLS 158G	DBLS 159G
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
$I_{F(AV)}$	Maximum average Forward Rectified Current @ $T_A = 40\text{ °C}$	1.5 A					
I_{FSM}	Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	50 A					
$R_{th(j-i)}$	Typical Thermal Resistance (Note)	15 °C/W					
$R_{th(j-a)}$		40 °C/W					
T_j	Operating Temperature Range	-55 to + 150 °C					
T_{stg}	Storage Temperature Range	-55 to + 150 °C					

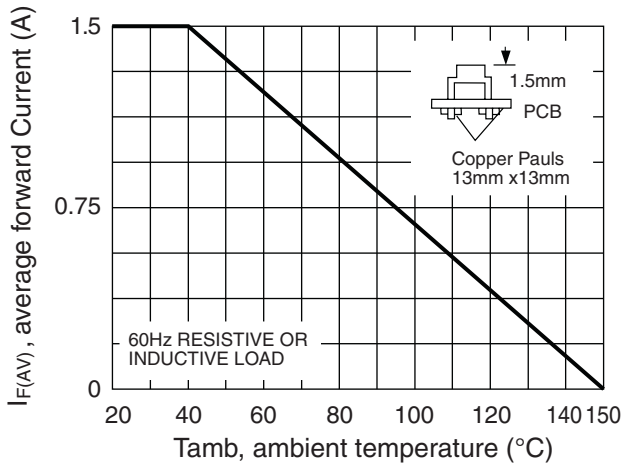
Electrical Characteristics at Tamb = 25 °C

		DBLS 154G	DBLS 155G	DBLS 156G	DBLS 157G	DBLS 158G	DBLS 159G
V_F	Max. Instantaneous Forward Voltage @ 1.5A	1.1 V				1.25 V	
I_R	Maximum DC Reverse Current @ $T_A = 25\text{ °C}$ at Rated DC Blocking Voltage @ $T_A = 125\text{ °C}$	5 μ A 500 μ A					

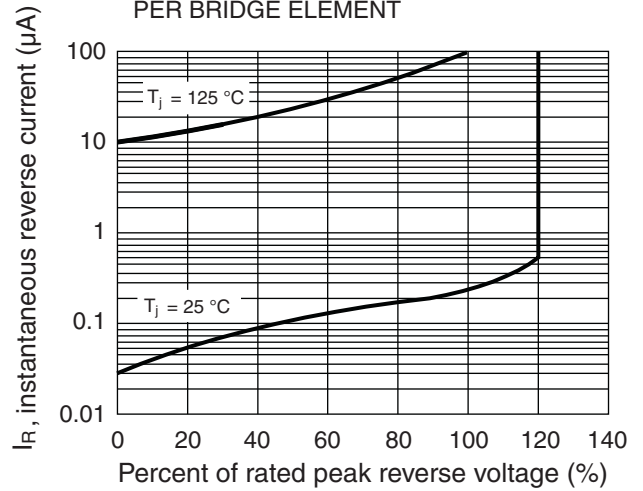
Note: Thermal Resistance from Junction to Ambient and from Junction to Lead Mounted on P.C.B. with 10 x 10mm Copper Pads.

Rating And Characteristic Curves

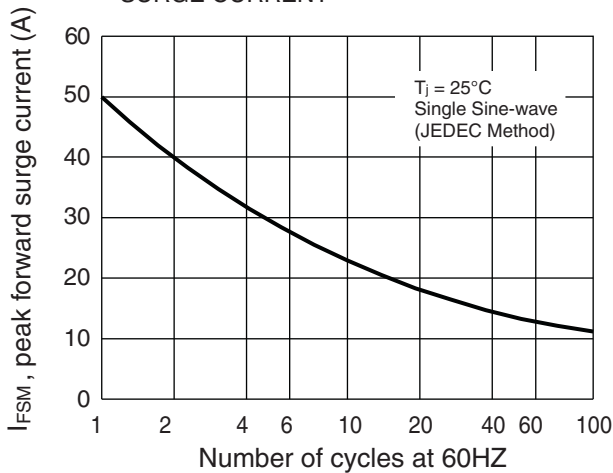
MAXIMUM DERATING CURVE FOR OUTPUT RECTIFIED CURRENT



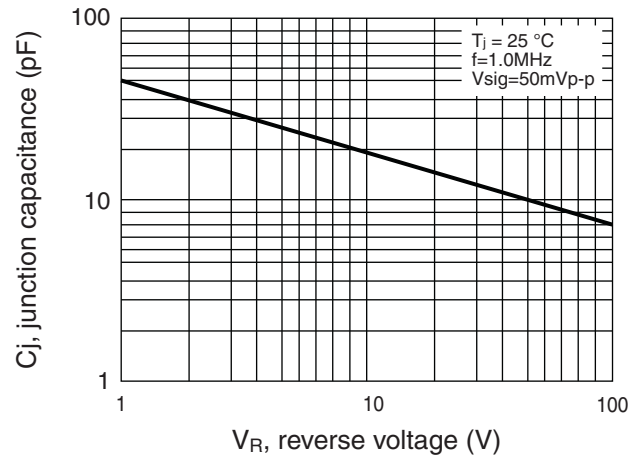
TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT



MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT



TYPICAL JUNCTION CAPACITANCE PER BRIDGE ELEMENT



TYPICAL FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

