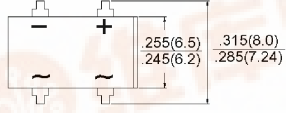
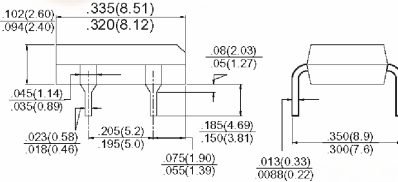
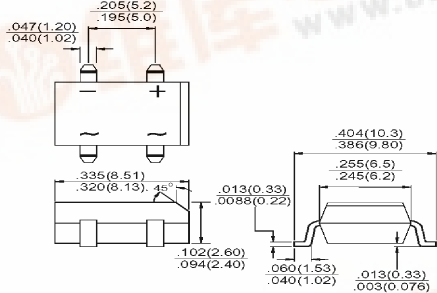


Preliminary

TSC 		DBL201G THRU DBL209G Single Phase 2.0 AMPS. Glass Passivated Bridge Rectifiers									
		Voltage Range 50 to 1400 Volts Current 2.0 Amperes									
Features ✧ ✧ 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 ✧ Leads solderable per MIL-STD-202 Method 208		DBL   DBLS  Dimensions in inches and (millimeters)									
Maximum Ratings and Electrical Characteristics Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%											
Type Number	Symbol	DBL 201G	DBL 202G	DBL 203G	DBL 204G	DBL 205G	DBL 206G	DBL 207G	DBL 208G	DBL 209G	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	1200	1400	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	840	980	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	1200	1400	V
Maximum Average Forward Rectified Current @T _A = 40°C	I _(AV)	2.0									A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	50									A
Maximum Instantaneous Forward Voltage @ 2.0A	V _F	1.15							1.30		V
Maximum DC Reverse Current @ T _A =25°C at Rated DC Blocking Voltage @ T _A =125°C	I _R	10 500									uA uA
Typical Thermal Resistance (Note)	RθJA RθJL	40 15									°C/w
Operating Temperature Range	T _J	-55 to +150									°C
Storage Temperature Range	T _{STG}	-55 to +150									°C

Note: Thermal resistance from Junction to Ambient and from Junction to Lead Mounted on P.C.B. with 0.51 x 0.51" (13 x 13mm) Copper Pads.

RATINGS AND CHARACTERISTIC CURVES (DBL201G THRU DBL209G)

