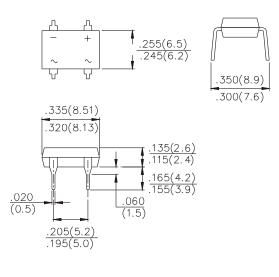
## DF2005 thru DF210

### SINGLE-PHASE GLASS PASSIVATED BRIDGE RECTIFIERS

#### VOLTAGE - 50 TO 1000 VOLTS CURRENT - 2.0 AMPERES







- Rating to 1000 V PRV
- Ideal for printed circuit board
- Low Forward Voltage drop, hing current capability
   Paliable low cost construction utilizing melded
- Reliable low cost construction utilizing molded Plastic technique results in ine pensive product
  Lead tin Pb/Sn copper
- The plastic material has UL flammability Classification 94V-0



Polarit:As marked on Body Weight:0.02 ounces,0.38 grams mounting position:Any

### MAXIMUM RATIXGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temp. unless otherwise specified Single phase, half sine wave, 60Hz, resistive or inductive load For capacitive load, derate current by 20%

	SYMBOL	DF2005	DF201	DF202	DF204	DF206	DF208	DF210	UNITS
Maximum Repetitive Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current @ $T_A=40^{\circ}C$	V(AV)	2.0						Amps	
Peak Forward Surge Current, 8.3ms Single Half Sine-Wave Superimposed on Rated Load	Ifsm	60							Amps
Maximum Instantaneous Forward Voltage Drop per Bridge Element at 1.0A	VF	1.1						Volts	
Maximum DC Reverse @T <sub>A</sub> =25°C at rated DC Blocking Voltage @T <sub>A</sub> =125°C	Ir	10 500						μΑ	
Rating for fusing (t<8.3ms)	<sup>2</sup> †	10.4							A²S
Typical Junction capacitance (Note 1)	C	25							pF
Typical Thermal resistance (Note 2)	R ∉ JC	40							°C / W
Operating and Storage Temperature Range	Tj Tstg	-55 to +150							°C

NOTES :

2. Thermal Resestance From Junction to Ambient mounted on PC.B with 0.5 x 0.5" (13x13mm) copper pads



<sup>1.</sup> Measured at 1.0 MHz and applied reverse voltage of 4.0 volts

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