

1.5 Amp Glass Passivated Single Phase Silicon Bridge

DF15005 ... 10 Series

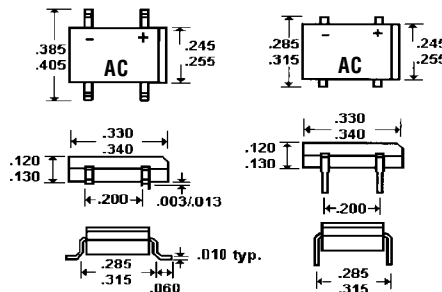
Description



Add Suffix "S" for SMD.

Example: RDF-04M“S” = 400V/1 Amp SMD part

Mechanical Dimensions



Mechanical Data: Terminal Leads - Solderable per Mil Std. 202. Polarity - Molded on Case. Mounting Position - Any. Weight - 0.04 Ounces, 1 Gram.

Features

- **COMPACT SIZE**
- **LOW LEAKAGE CURRENT**
- **50 AMP SURGE OVERLOAD RATING**

- EXCEEDS ENVIRONMENTAL STANDARDS OF MIL STD. 19500
- MEETS UL SPECIFICATION 94V-0
- GLASS PASSIVATED JUNCTIONS

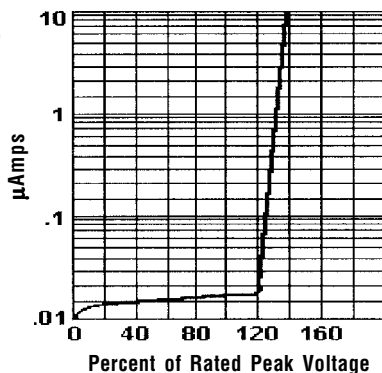
Electrical Characteristics @ 25°C.		DF15005 . . . 10 Series							Units
Maximum Ratings		005	01	02	04	06	08	10	
Peak Repetitive Reverse Voltage...V _{RRM}		50	100	200	400	600	800	1000	Volts
RMS Reverse Voltage...V _{R(rms)}		35	70	140	280	420	560	700	Volts
DC Blocking Voltage...V _{DC}		50	100	200	400	600	800	1000	Volts
Average Forward Rectified Current...I _{F(av)} T _A = 40°C		 1.5							Amps
Non-Repetitive Peak Forward Surge Current...I _{FSM} 8.3 mS Single ½ Sine Wave Imposed on Rated Load		 50							Amps
Point Rating for Fusing...(T < 8.3 mS)		 5.0							A²S
Forward Voltage...V _F Bridge Element @ 1.0 Amp		 1.0							Volts
DC Reverse Current...I _R @ Rated DC Blocking Voltage		 1.0							µA
T _J = 25°C		 1.0							mA
T _J =125°C		 1.0							
Operating Temperature Range...T _J		 -55 to 125							°C
Storage Temperature Range...T _{STRG}		 -55 to 150							°C



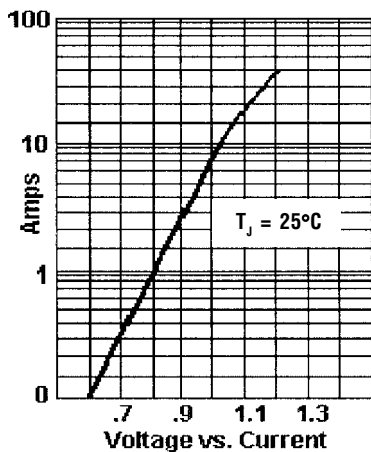
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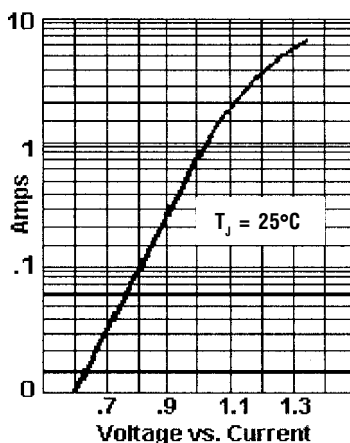
Typical Reverse
Characteristics



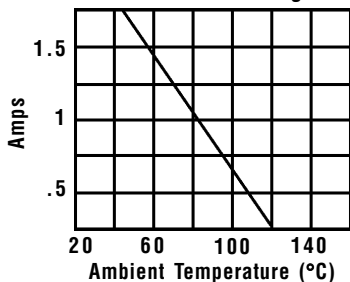
Instantaneous Typical
Forward Characteristics



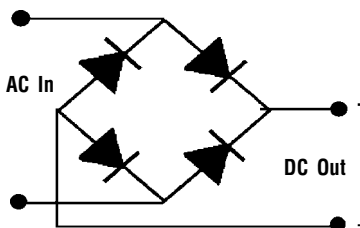
Instantaneous Typical
Forward Characteristics Per Element



Forward Current Derating Curve



Electrical Description



Ratings at
25 Deg. C ambient
temperature
unless otherwise
specified.

Single Phase Half
Wave, 60 HZ
Resistive or
Inductive Load.

For Capacitive
Load, Derate
Current by 20%.