

DF005S-DF10S

Surface Mount Glass Passivated Bridge Rectifiers

REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 1.0 Amperes

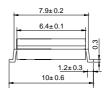


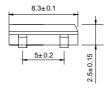
DBS

Features

- ♦ Rating to 1000V PRV
- ♦ Ideal for printed circuit board
- ♦ Low forward voltage drop high current capability.
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- ♦ Lead Pb/Sn copper
- The plastic material has UL flammability classification 94V-0
- ♦ UL recognized file

150.1





Mechanical Data

→ Polarity :As marked on Body→ Weight : 0.016 ounces,0.45 grams

♦ Mounting position : Any

Dimensions in millimeters

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	DF005S	DF01S	DF02S	DF04S	DF06S	DF08S	DF10S	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @TA=40°C	lf(AV)	1.0							Α
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC METHOD)	I _{FSM}	50							А
Maximum forward Voltage at 1.0A DC	V _F	1.1							V
Maximum DC Reverse Current @T _J =25°C at Rated DC Blocking Voltage @T _J =125°C	lR	10 500							μА
I ² t Rating for fusing (t < 8.3ms)	l ² t	10.4							A ² S
Typical Junction Capacitance per element (Note 1)	Cı	25							pF
Typical Thermal Resistance (Note 2)	Reja				40				°C/W
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	Tstg	-55 to +150						°C	

NOTES: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

2.Thermal resistance from junction to ambient mounted on P.C.B with 0.5x0.5"(13x13mm) copper pads.



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Ratings AND Charactieristic Curves

