DF005S THRU DF10S

SINGLE PHASE GLASS PASSIVATED SURFACE MOUNT BRIDGE RECTIFIER

Voltage: 50 TO 1000V CURRENT:1.0A

FEATURES

For surface mount application

Reliable low cost construction utilizing molded plastic technique

Surge overload rating: 50A peak

DFS

MECHANICAL DATA

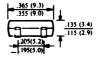
. Terminal: Plated leads solderable per

MIL-STD 202E, method 208C

. Case: UL-94 Class V-0 recognized Flame Retardant Epoxy

. Polarity: Polarity symbol marked on body

. Mounting position: any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Single-phase, half-wave, 60HZ, resistive or inductive load rating at 25 °C, unless otherwise stated, for capacitive load, derate current by 20%)

	SYMBOL	DF005S	DF01S	DF02S	DF04S	DF06S	DF08S	DF10S	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	٧
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	٧
Maximum DC blocking Voltage	Vdc	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified									
current at Ta=40°C	If(av)	1							Α
Peak Forward Surge Current 8.3ms single									
half sine-wave superimposed on rated load	Ifsm	50							Α
Maximum Instantaneous Forward Voltage at									
forward current 1.0A	Vf	1.1							V
Maximum DC Reverse Voltage Ta=25 °C		10.0							μд
at rated DC blocking voltage Ta=125 °C	lr	500							mA
Typical Junction Capacitance	Cj	25							pF
Operating Temperature Range	Tj	-55 to +125							°C
Storage and operation Junction Temperature	Tstg	-55 to +150							°C
Note:	-	-							

1. Measure at 1MHZ and applied reverse voltage of 4.0 volt

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RATINGS AND CHARACTERISTIC CURVES DF005S THRU DF10S

FIG.1-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

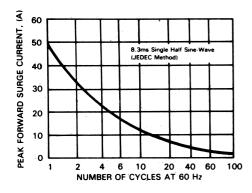


FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

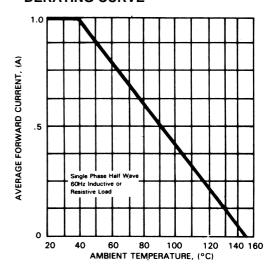


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

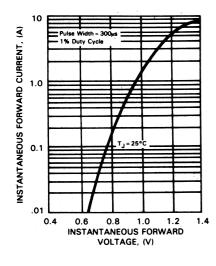


FIG.4-TYPICAL REVERSE CHARACTERISTICS

