

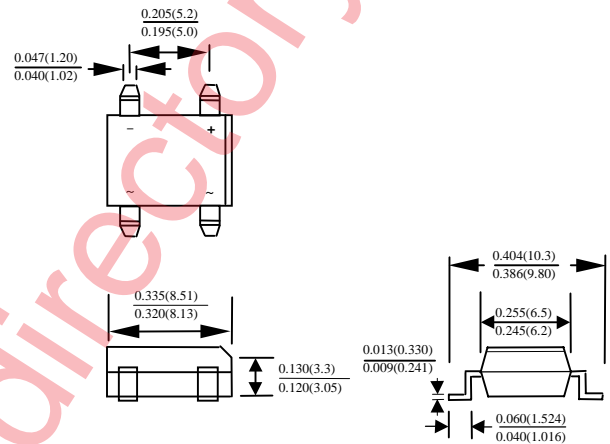
1A SURFACE MOUNT BRIDGE RECTIFIERS

FEATURES

- PLASTIC MATERIAL USED CARRIES UNDERWRITERS LABORATORY RECOGNITION 94V-0
- GLASS PASSIVATED CHIP
- IDEAL FOR PRINTED CIRCUIT BOARD
- HIGH TEMPERATURE SOLDERING GUARANTEED : 260°C/10S AT 5 LBS., (2.3KG) TENSION

MECHANICAL DATA

- CASE : MOLDED PLASTIC
- TERMINALS : LEAD SOLDERABLE PER MIL-STD-202, METHOD 208
- POLARITY : POLARITY SYMBOLS MARKED ON BODY
- MOUNTING POSITION : ANY
- WEIGHT : 1.0 GRAMS



CASE-DFS

DIMENSIONS IN INCHES AND (MILLIMETERS)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

RATINGS 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%

RATINGS	SYMBOL	DF005S	DF01S	DF02S	DF04S	DF06S	DF08S	DF10S	UNITS
MAXIMUM RECURRENT PEAK REVERSE VOLTAGE	V_{RRM}	50	100	200	400	600	800	1000	V
MAXIMUM RMS VOLTAGE	V_{RMS}	35	70	140	280	420	560	700	V
MAXIMUM DC BLOCKING VOLTAGE	V_{DC}	50	100	200	400	600	800	1000	V
MAXIMUM AVERAGE FORWARD OUTPUT RECTIFIED CURRENT AT $T_A=40^\circ\text{C}$	I_O	1.0							A
PEAK FORWARD SURGE CURRENT SINGLE HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	I_{FSM}	50							A
TYPICAL JUNCTION CAPACITANCE PER ELEMENT (NOTE 1)	C_J	25							PF
STORAGE TEMPERATURE RANGE	T_{STG}	- 55 TO + 150							°C
OPERATING TEMPERATURE RANGE	T_{OP}	- 55 TO + 150							°C

ELECTRICAL CHARACTERISTICS (T_A $T_A = 25^\circ\text{C}$ UNLESS OTHERWISE NOTED)

CHARACTERISTICS	SYMBOL	DF005S	DF01S	DF02S	DF04S	DF06S	DF08S	DF10S	UNITS	
MAXIMUM INSTANTANEOUS FORWARD VOLTAGE DROP PER ELEMENT AT 1.0A	V_F	1.1					1.2			V
MAXIMUM REVERSE CURRENT $T_A=25^\circ\text{C}$ AT RATED DC BLOCKING VOLTAGE PER ELEMENT $T_A=125^\circ\text{C}$	I_R	10				0.5				μA mA

NOTE :

1. MEASURED AT 1.0 MHZ AND APPLIED REVERSE VOLTAGE OF 4.0 VOLTS

RATING AND CHARACTERISTICS CURVES DF005S THRU DF10S

FIG. 1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

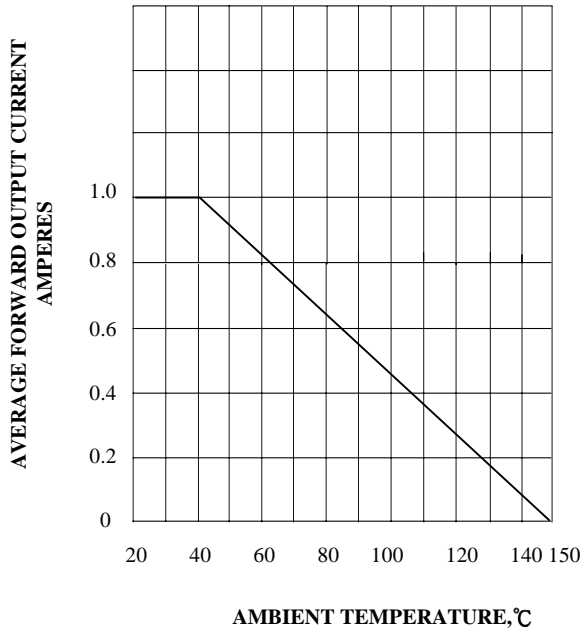


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG

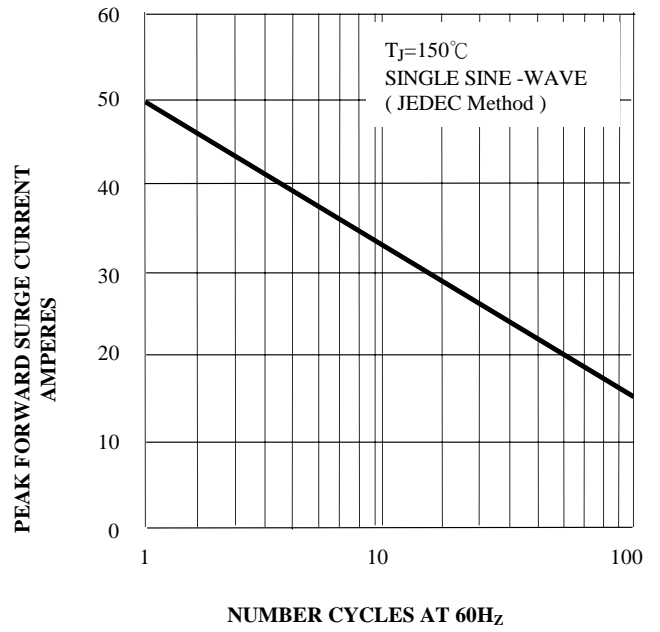


FIG. 3 - TYPICAL FORWARD CHARACTERISTICS

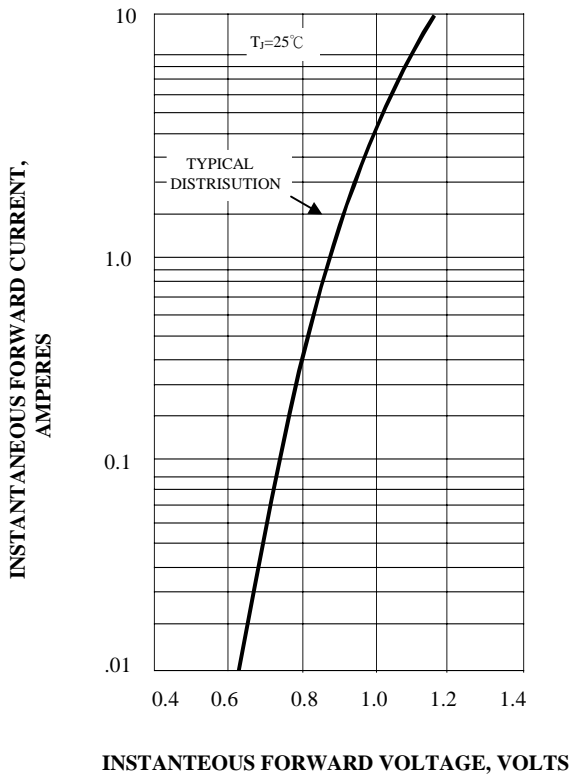


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

