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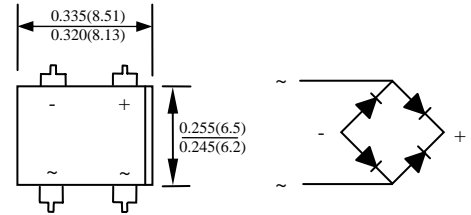
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1A BRIDGE RECTIFIERS

DF005-LFR THRU DF10-LFR

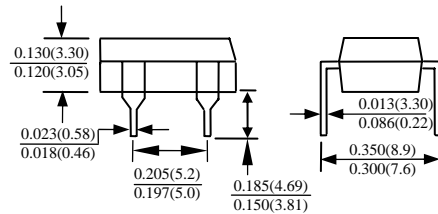
FEATURES

- 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
- ROHS



MECHANICAL DATA

- CASE: MOLDED PLASTIC, DF, DIMENSIONS IN INCHES AND (MILLIMETERS)
- TERMINALS: LEAD SOLDERABLE PER MIL-STD-202, METHOD 208
- POLARITY: POLARITY SYMBOLS MARKED ON BODY
- MOUNTING POSITION: ANY
- WEIGHT: 1.0 GRAMS



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	DF-005 -LFR	DF-01 -LFR	DF-02 -LFR	DF-04 -LFR	DF-06 -LFR	DF-08 -LFR	DF-10 -LFR	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 RECTIFIED CURRENT AT $T_A=40^\circ\text{C}$	I_o	1.0							A
PEAK FORWARD SURGE CURRENT, 8.3ms SINGLE HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	I_{FSM}	50							A
TYPICAL JUNCTION CAPACITANCE PER LEG@ 4V, 1MHz	C_J	25							PF
STORAGE TEMPERATURE RANGE	T_{STG}	- 55 TO + 150							°C
OPERATING TEMPERATURE RANGE	T_{OP}	- 55 TO + 150							°C

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

CHARACTERISTICS	SYMBOL	DF-005 -LFR	DF-01 -LFR	DF-02 -LFR	DF-04 -LFR	DF-06 -LFR	DF-08 -LFR	DF-10 -LFR	UNITS	
MAXIMUM FORWARD VOLTAGE DROP PER BRIDGE ELEMENT AT I_o DC	V_F	1.1					1.2			V
MAXIMUM REVERSE CURRENT AT RATED $T_A=25^\circ\text{C}$	I_R	10.0					0.5			μA
DC BLOCKING VOLTAGE PER ELEMENT $T_A=125^\circ\text{C}$		10.0					0.5			mA

RATING AND CHARACTERISTICS CURVES DF005-LFR THRU DF10-LFR

FIG. 1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

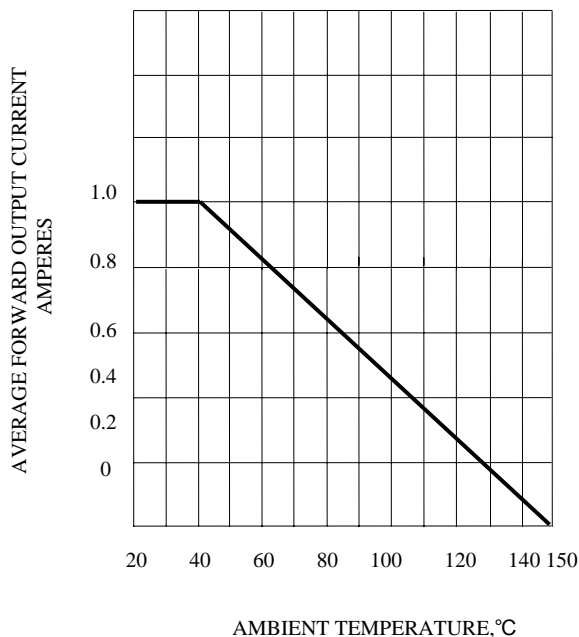


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG

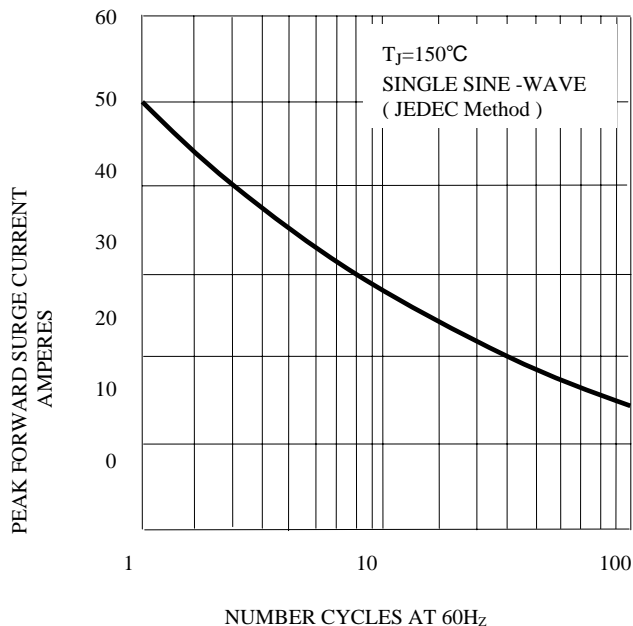


FIG.3 - TYPICAL FORWARD CHARACTERISTICS

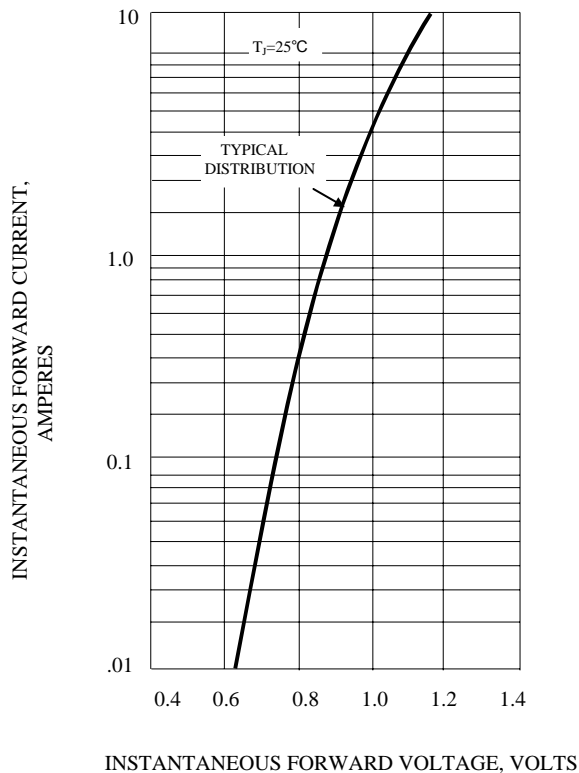


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

