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8A BRIDGE RECTIFIERS

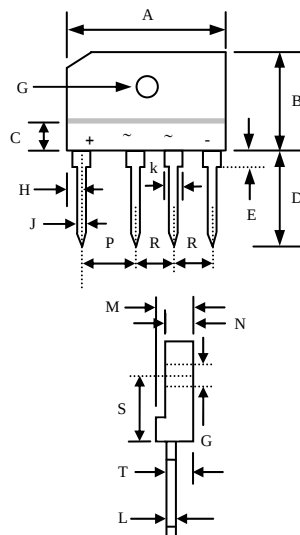
BJ8-005 THRU BJ8-10

FEATURES

- DIFFUSED JUNCTION
- LOW FORWARD VOLTAGE DROP
- HIGH CURRENT CAPABILITY
- HIGH SURGE CURRENT CAPABILITY
- IDEAL FOR PRINTED CIRCUIT BOARDS

MECHANICAL DATA

- CASE: MOLDED PLASTIC
- DIMENSIONS IN INCHES AND (MILLIMETERS)
- TERMINALS: PLATED LEADS SOLDERABLE PER MIL-STD-202, METHOD 208V
- POLARITY: AS MARKED ON BODY
- WEIGHT: 4.0 GRAMS
- MOUNTING POSITION: ANY
- MARKING: TYPE NUMBER



BJ - 8		
Dim	Min	Max
A	29.7	30.3
B	19.7	20.3
C	—	5.0
D	17.0	18.0
E	3.8	4.2
G	3.1Ø	3.65 Ø
H	2.3	2.7
J	0.9	1.1
K	1.8	2.2
L	0.6	0.8
M	4.4	5.3
N	3.4	4.35
P	9.8	10.2
R	7.3	7.7
S	10.8	12.2
T	2.5	3.4

All Dimensions In mm

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%

SINGLE PHASE, HALF WAVE, 50 HZ, RESISTIVE OR INDUCTIVE LOAD; FOR CAPACITIVE LOAD, DERATE CURRENT BY 10%									
RATINGS	SYMBOL	BJ8-005	BJ8-01	BJ8-02	BJ8-04	BJ8-06	BJ8-08	BJ8-10	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
AVERAGE RECTIFIED OUTPUT CURRENT @ T _C = 100°C (NOTE 1)	I _O	8.0							A
NON-REPETITIVE PEAK FORWARD SURGE CURRENT 8.3MS SINGLE HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD (JEDEC METHOD)	I _{FSM}	200							A
FORWARD VOLTAGE (3PER ELEMENT) @ I _F = 4.0 A	V _{FM}	1.0							V
PACK REVERSE CURRENT @ T _a =25°C	I _R	5							μ A
AT RATED DC BLOCKING VOLTAGE @T _c =100°C		200							
OPERATING AND STORAGE TEMPERATURE RANGE	T _j ,T _{STG}	- 55 TO + 150							°C

NOTE: 1. DEVICE MOUNTED ON 7.5 x 7.5 x 0.8cm THICK AL PLATE HEAT SINK

RATINGS AND CHARACTERISTIC CURVES BJ8-005 THRU BJ8-10

FIG. 1 – FORWARD CURRENT DERATING CURVE

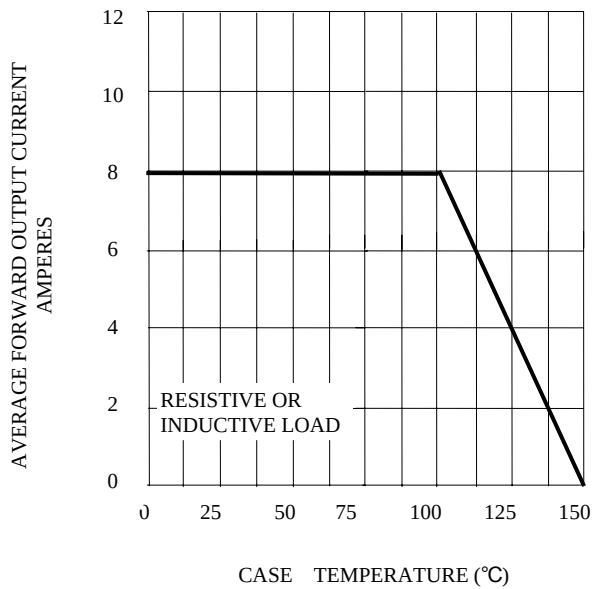


FIG. 2 – TYPICAL FWD CHARACTERISTICS, PER ELEMENT

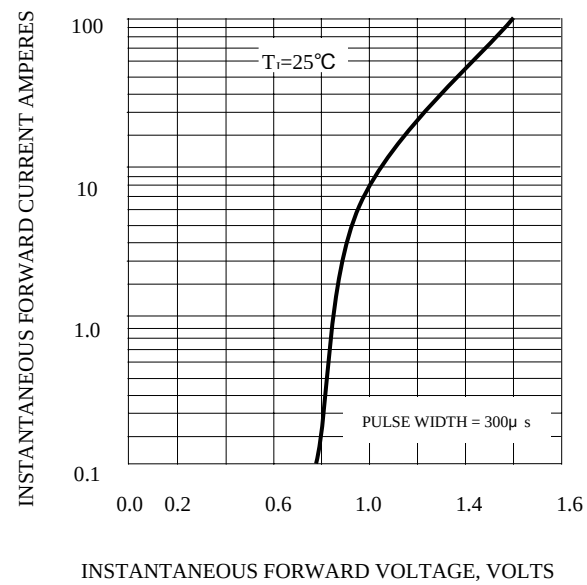


FIG. 3 - MAXIMUM NON - REPETITIVE SURGE CURRENT

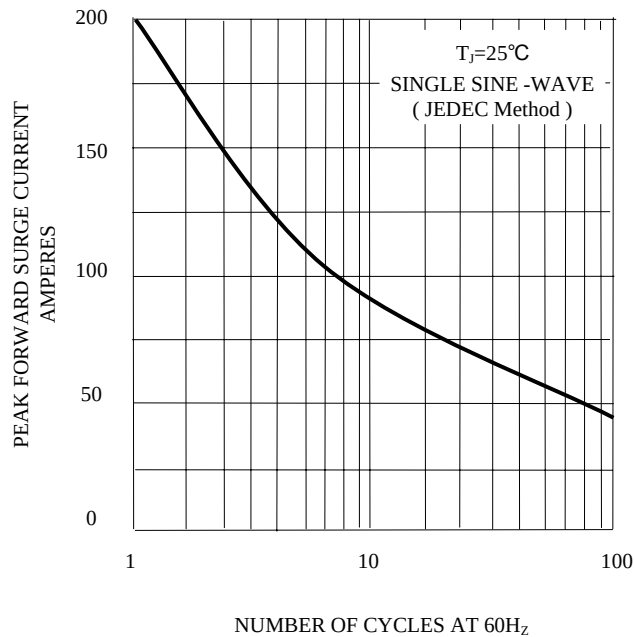


FIG. 4 - TYPICAL JUNCTION CAPACITANCE

