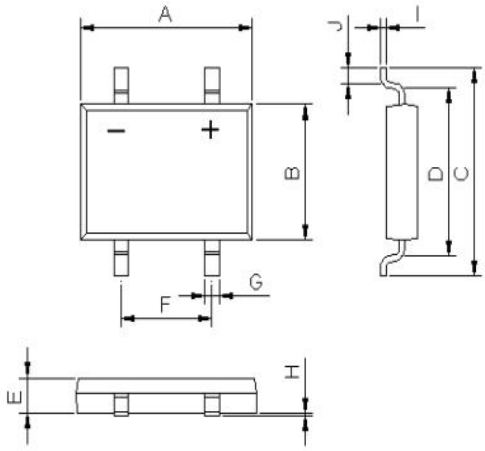
CURRENT 4.0 Ampere
VOLTAGE RANG 200 to 1000 Volts

ABM402 THRU ABM410

FEATURE

. Glass passivated chip junctions
. High case dielectric strength
. Low Reverse Leakage Current
. High surge current capability
. Ideal for Printed Circuit Board Applications

ABM



ABM		
DIM	MIN	MAX
A	9.45	9.75
B	6.30	6.75
C	9.75	10.05
D	7.85	8.15
E	1.40	1.60
F	4.90	5.10
G	0.70	0.90
H	0.10	0.20
I	0.15	0.35
J	0.45	0.95
All dimension in millimeter		

MECHANICAL DATA

. Case Material: Molded Plastic.
UL Flammability Classification Rating 94V-0
. Terminals: Pure tin plated, Lead free.
Leads solderable per MIL-STD-750, Method 2026.
. Polarity: Molded on Body
. Weight: 0.3 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25℃ ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz,resistive or inductive load.
For capacitive load, derate current by 20%

Type Number	SYMBOL	ABM402	ABM404	ABM406	ABM408	ABM410	units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	140	280	420	560	700	V
Maximum DC blocking Voltage	V_{DC}	200	400	600	800	1000	V
Maximum Average Forward (with heatsink Note2) Rectified Current @ T_C=100°C(without heatsink)	$I_{F(AV)}$	4.0 2.4					A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I_{FSM}	120					A
Maximum Forward Voltage @ 4.0A DC Drop per element @ 2.0A DC	V_F	1.1 1.0					V
Maximum DC Reverse Current @T_J =25°C at rated DC blocking voltage @T_J =125°C	I_R	5.0 500.0					μA
I^2t Rating for Fusing (t < 8.3ms)	I^2t	59.76					A^2Sec
Typical Junction Capacitance (Note 1)	C_J	40					pF
Typical Thermal Resistance (Note 2)	$R_{(JC)}$	3.0					°C/W
Storage Temperature	T_{STG}	-55 to +150					°C
Operating Junction Temperature	T_J	-55 to +150					°C

Note:

1. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
2.Device mounted on 75mm x 75mm x 1.6mm Cu Plate Heatsink.

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VOLTAGE RANG 200 to 1000 Volts

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Rating and Characteristic Curves (TA=25°C Unless otherwise noted)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

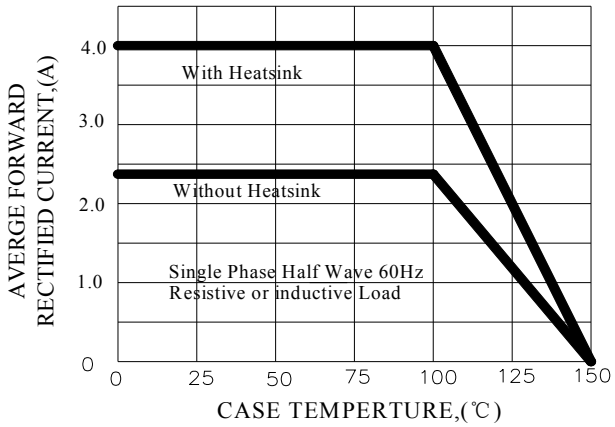

FIG.2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

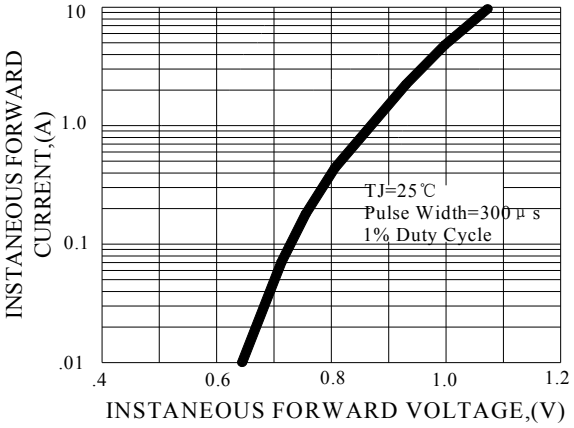

FIG.3-MAXIMUN NON-REPETITIVE FORWARD SURGE CURRENT

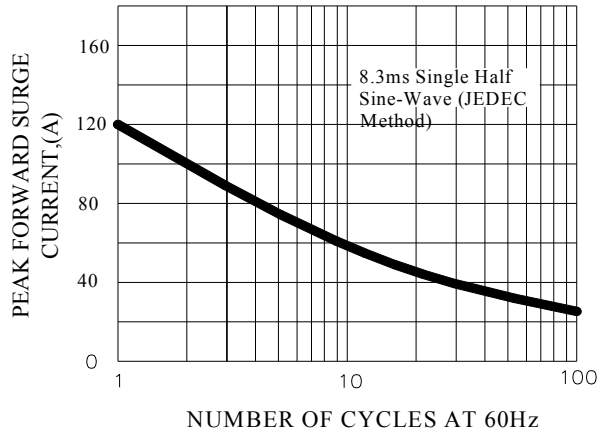

FIG.4-TYPIAL JUNCTION CAPAOTANCE

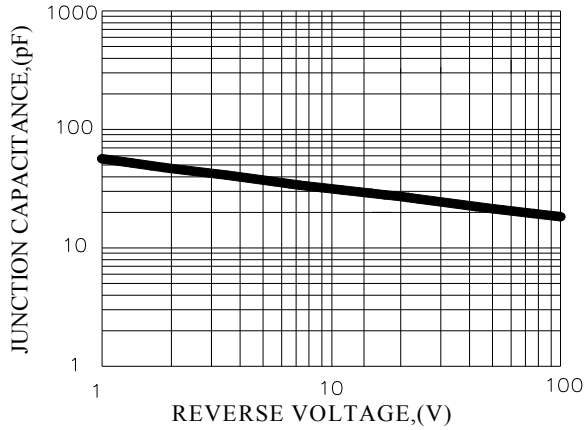

FIG.5-TYPICAL REVERSE CHARACTERISTICS