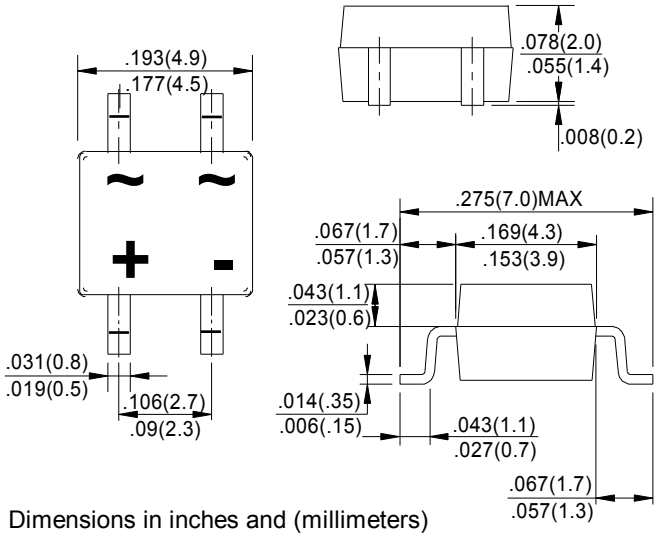
MB05F THRU MB10F

SINGLE PHASE 0.8AMP GLASS PASSIVATED BRIDGE RECTIFIERS
VOLTAGE RANGE 50 TO 1000 VOLTS

MBF

FEATURES

- Ideal for printed circuit board
  Reliable low cost construction utilizing
  molded plastic technique results in inexpensive product
- Rating to 1000V PRV
- High surge current capability
- Small size simple installation



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 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		MB05F	MB1F	MB2F	MB4F	MB6F	MB8F	MB10F	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 @T_A=40 ℃	$I_{(AV)}$	1.0							A
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	I_{FSM}	35							A
Peak Forward Voltage at 0.8A DC	V_F	1.0							V
Maximum DC Reverse Current @T_J=25℃ at Rated DC Bolcking Voltage @T_J=100℃	I_R	5.0 500							uA
Tyical Junction Capacitance	C_J	15							pF
Tyical Thermal Resistance	$R_{\theta JC}$	75							℃/W
Operating Temperature Range	T_J	-55 to +150							℃
Storage Temperature Range	T_{STG}	-55 to +150							℃

wuximingliang

RATING AND CHARACTERTIC CURVES

FIG.1 - DERATING CURVE OUTPUT RECTIFIED CURRENT FOR

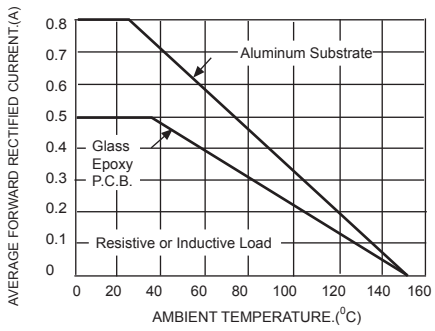


FIG.3 - TYPICAL FORWARD VOLTAGE CHARACTERISTICS PER LEG

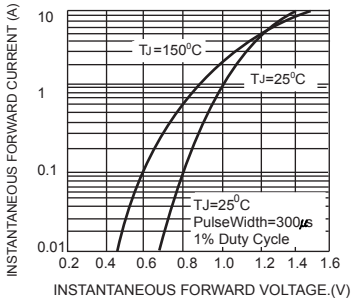


FIG.2-MAXIMUN NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG

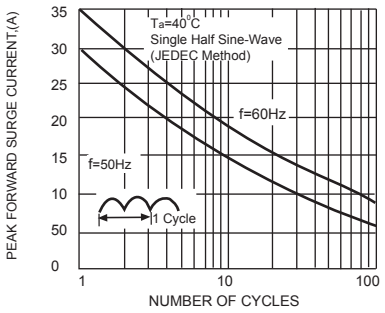


FIG.4-TYPICAL REVERSE LEAKAGE CHARACTERISTICS PER LEG

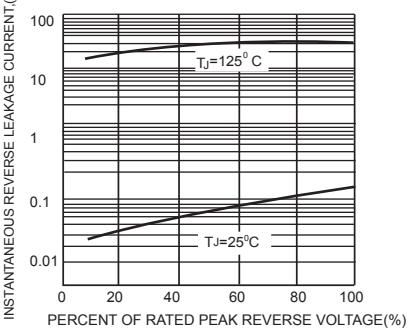


FIG.5-TYPICAL JUNCTION CAPACITANCE

