

MSB051 THRU MSB056 时加急出货

SINGLE PHASE 0.5 AMP GLASS PASSIVATED BRIDGE RECTIFIERS



FEATURES

- * Ideal for printed circuit board
- * Reliable low cost construction utilizing molded plastic technique
- * High surge current capability
- * Small size, simple installation
- * Leads solderable per MIL – STD – 202, method 208
- * Dual in line type
- * Weight: 0.13g

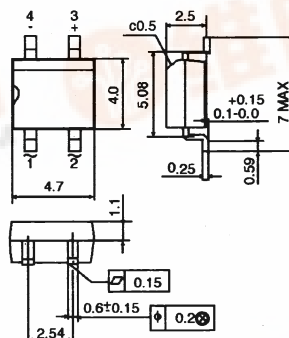
VOLTAGE RANGE

100 to 600 Volts

CURRENT

0.5 Ampere

MINI-DFS

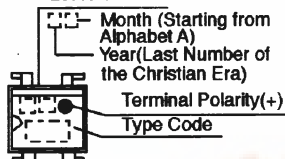


Dimensions in millimeters

Maximum Ratings

Characteristics		Symbols	Ratings	Units
Repetitive peak reverse voltage	MDB051	V_{RRM}	100	Volts
	MDB054		400	
	MDB056		600	
Average output rectified current $T_a = 30^{\circ}\text{C}$		I_o	0.5	Amp
Peak one cycle surge forward current (Non Repetitive)		I_{FSM}	30(50Hz) 33(60Hz)	Amps
Junction temperature		T_j	- 40 to 150	$^{\circ}\text{C}$
Storage temperature range		T_{stg}	- 40 to 150	$^{\circ}\text{C}$

Lot Number



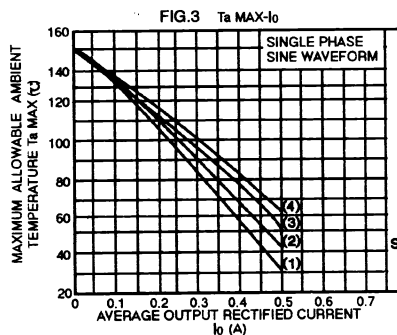
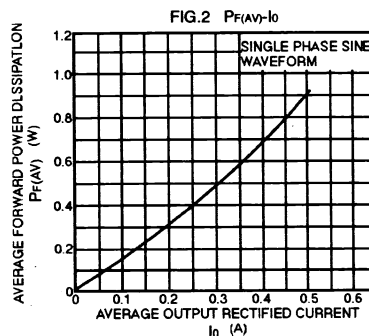
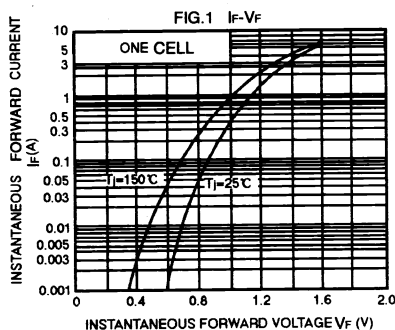
Color: Silver

Code	Type
51	MSB051
54	MSB054
56	MSB056

Electrical Characteristics($T_A = 25^{\circ}\text{C}$)

Characteristics	Symbols	Test Conditions	Min.	Typ.	Max.	Units
Peak forward voltage	V_{FM}	$I_{FM} = 0.4A$	—	—	1.0	Volt
Repetitive peak reverse current	I_{RRM}	$V_{RRM} = \text{Rated}$	—	—	10	μA
Thermal resistance (Junction to Ambient)	$R_{th(J-A)}$	DC	—	—	130 75*	$^{\circ}C/W$

RATINGS AND CHARACTERISTIC CURVES (MSB051 THRU MSB056)



- ① WITHOUT HEAT SINK
- ② SOLDER LAND 2×2mm
- ③ SOLDER LAND 5×5mm
- ④ SOLDER LAND 7×7mm

a:a: SOLDER LAND SIZE
(ON GLASS EPOXY SUBSTRATE)

