



MSB051 THRU MSB056

SINGLE PHASE 0.5 AMP GLAS PASSIVATED BRIDGE RECTIFIERS

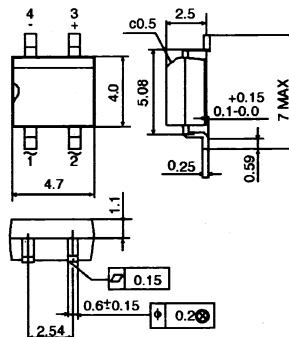


FEATURES

- * 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

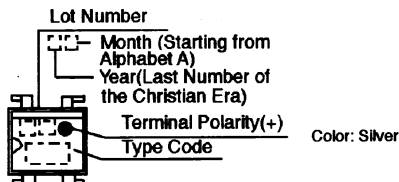
MINI-DFS



Dimensions in millimeters

Maximun Ratings

Characteristics	Symbols	Ratings	Units
Repetitive peak re-verse voltage	MDB051	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	$^\circ\text{C}$



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}	$I_{FM} = 0.4\text{A}$	-	-	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*	$^\circ\text{C/W}$

RATINGS AND CHARACTERISTIC CURVES (MSB051 THRU MSB056)

