



MSBL054

SINGLE PHASE 0.5 AMP GLASS PASSIVATED BRIDGE RECTIFIERS



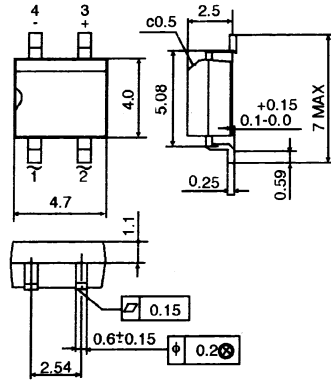
FEATURES

- * 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
- * Weight: 0.13g

VOLTAGE RANGE

400 Volts
CURRENT
0.5 Ampere

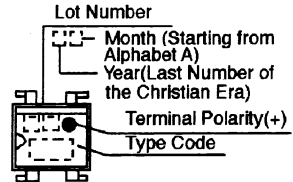
MINI-DFS



Dimensions in millimeters

Maximun Ratings($T_A = 25^\circ\text{C}$)

Characteristics	Symbols	Ratings	Units
Repetitive peak reverse voltage	V_{RRM}	400	Volts
Average output rectified current	I_o	0.5 0.8*	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	$^\circ\text{C}$



Color: Silver

Symbol Device Type
4L MDBL054

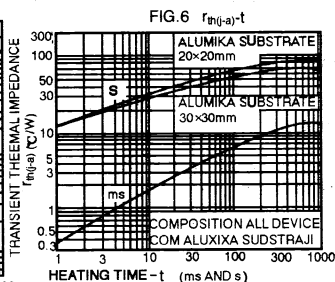
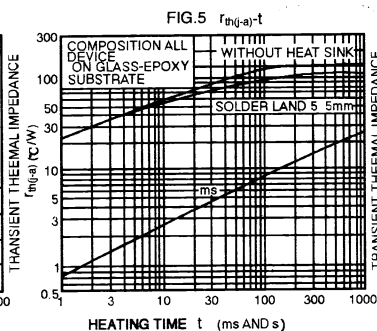
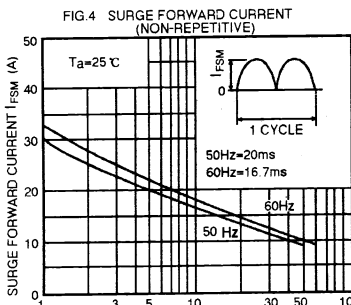
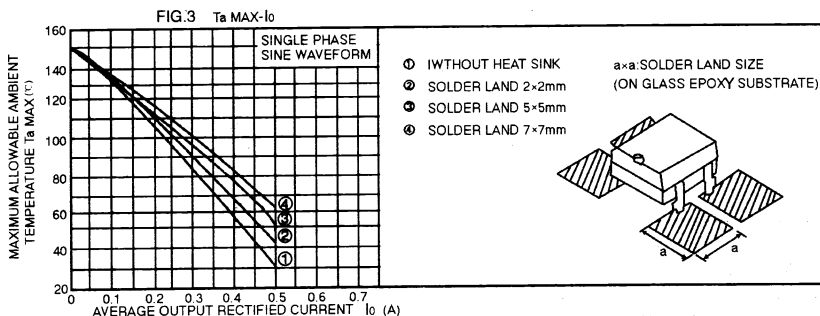
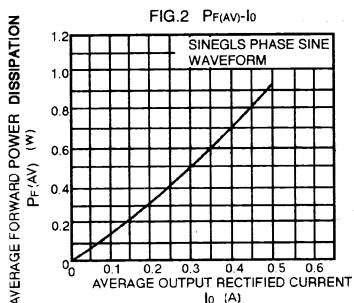
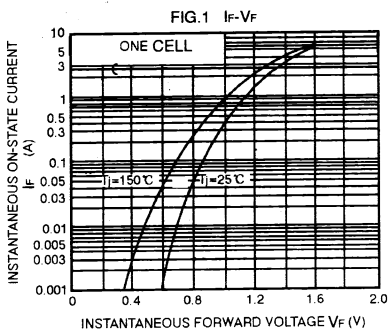
Electrical Characteristics($T_A = 25^\circ\text{C}$)

Characteristics	Symbols	Test Conditions	Min.	Typ.	Max.	Units
Peak forward voltage(Note)	V_{FM}	$I_{FM} = 20\text{mA}$	-	-	0.65	Volt
Repetitive peak reverse current (Note)	I_{RRM}	$V_{RRM} = \text{Rated}$	-	-	100	μA
Thermal resistance	$R_{th(J-A)}$	Junction to Ambient	-	-	130 7.5*	$^\circ\text{C}/\text{W}$

Note: A value of on cell.

* On alumina substrate

RATINGS AND CHARACTERISTIC CURVES (MSBL054)



NUMBER OF CYCLES AT 50Hz AND 60Hz

