

Bridge Rectifiers Reverse Voltage-1000v Forward current-6A

Features

Glass passivated chip
High surge current capability
Ldeal for surface mounted applications
Low power loss, high efficiency
Plastic Case Material has UL Flammability



Package: MSB

Terminals:Tin Plated leads, solderable per

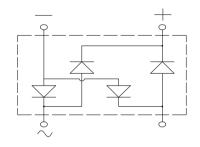
Mil-STD-750 Method 2026

Polarity: As marked

Molding compound meets UL 94 V-0 flammability rating,

ROHS-compliant





Maximum Ratings (Ta=25℃ Unless otherwise specified)

<u>'</u>			
SYMBOL	MSB610	Umit	
V_{RRM}	1000	V	
V_{RMS}	700	V	
V_{DC}	1000	V	
IO _(AV) 6.0		А	
IESM	150.0	Α	
ii Oivi	300.0	Α	
I ² t	93.4	A ² S	
$V_{\sf FM}$	1.1	V	
ID	5	uA	
IK	100		
CJ	40	pF	
R_{QJa}	75.0	°C/W	
T _J	55to+150	$^{\circ}$	
T _{STG}	55to+150	$^{\circ}$ C	
	$\begin{array}{c} V_{RRM} \\ V_{RMS} \\ V_{DC} \\ IO_{(AV)} \\ \\ IFSM \\ \\ I^2t \\ V_{FM} \\ IR \\ CJ \\ R_{QJa} \\ T_J \\ \end{array}$	$\begin{array}{c c} V_{RRM} & 1000 \\ V_{RMS} & 700 \\ V_{DC} & 1000 \\ \hline & IO_{(AV)} & 6.0 \\ \\ IFSM & 300.0 \\ \hline & I^2t & 93.4 \\ \hline & V_{FM} & 1.1 \\ \hline & IR & 5 \\ \hline & 100 \\ \hline & CJ & 40 \\ \hline & R_{QJa} & 75.0 \\ \hline & T_J & -55to+150 \\ \hline \end{array}$	

FIG. 1MAXIMUM AVERAGE FORWARD CURRENT DERATING

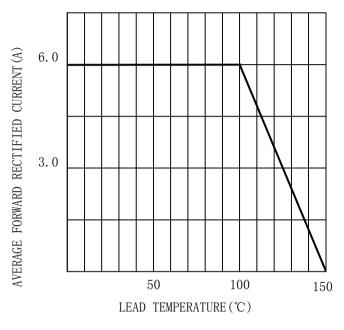


FIG. 2TYPICAL FORWARD CHARACTERISTICS

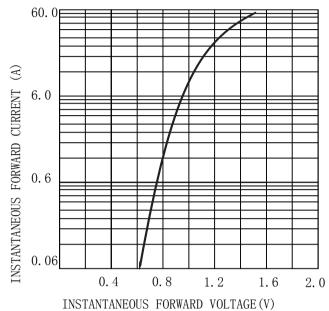


FIG. 3MAXIMUM NON-REPEITIVE SURGE CURRENT

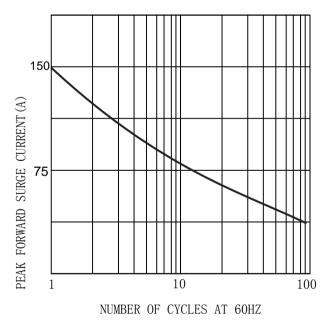
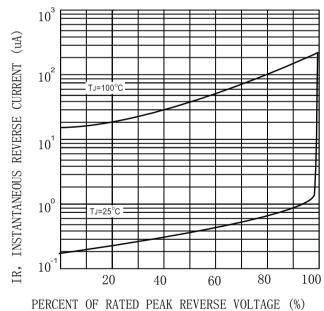
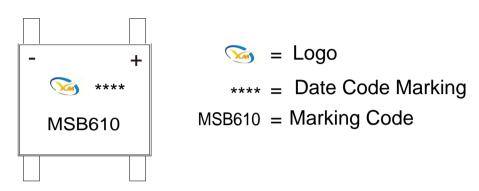


FIG. 4 TYPICAL REVERSE CHARACTERISTICS (per element)



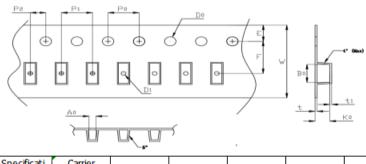
MARKING INFORMATION



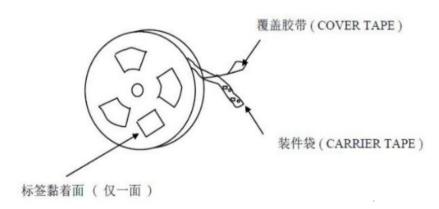
Print according to customer request

PACKING REQUIRMENTS

Carrier tape packing



Specificati ons	Carrier tape type	Ao	Во	Ко	Po	w	t1	Exiplain
MSB	Anti-static	7.0± 0.10	8.7±0.10	1.65± 0.10	4.00± 0.10	16.0± 0.30	0.28± 0.05	

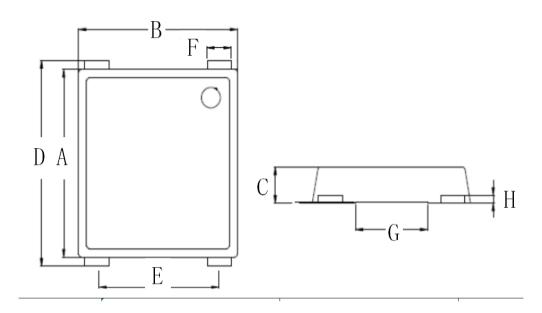


DEVICE	Tape width	13"Reel			
TYPE		Q'TY/REEL (pcs)	BOX/CAR TOON	Q'TY/REEL (pcs)	
MSB	16mm	3000	6000	60000	



Outline Dimensions

MSB



	MSB				
DIM	INC HES		MM		
	MIN	MAX	MIN	MAX	
A	0.28	0.29	7.0	7.4	
В	0.26	0.27	6.5	6. 9	
С	0.05	0.06	1.2	1.6	
D	0.32	0.35	8.2	8.8	
Е	0.19	0.21	4.9	5.3	
F	0.04	0.05	0.9	1.3	
G	0.11	0. 13	2.8	3. 2	
Н	0.01	0.02	0.2	0.4	

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