













ESD

TVS

TSS

MOV

GDT

PLED

FMSB30A THRU FMBS30M

Product specification





FMSB30A THRU FMBS30M

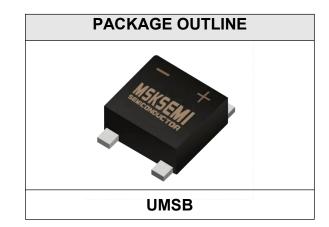
VOLTAGE RANGE 50 to 1000 Volts CURRENT 3.0 Ampere

FEATURES

- Glass Passivated Chip Junction
- Reverse Voltage 50 to 1000 V
- Forward Current 3.0 A
- High Surge Current Capability
- Designed for Surface Mount Application

MECHANICAL DATA

- Case: UMSB
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.234g / 0.00825oz



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25 $^\circ\!\!\!\!^{\rm C}$ ambient temperature unless otherwies specified . Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

TYPE NUMBER	FMSB30A	FMSB30B	FMSB30D	FMSB30G	FMSB30J	FMSB30K	FMSB30M	UNIT
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current								
at Ta=25℃		3.0				А		
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)		80					А	
I ² t Rating for Fusing (1ms < t < 8.3ms)		42				A²S		
Maximum Forward Voltage Drop per Bridge Element at 3.0A.		1.3					V	
Maximum DC Reverse Current Ta=25℃		5.0				μA		
at Rated DC Blocking Voltage Ta=100°C		200					μA	
Maximum Reverse Recovery Time (Note 1)		500			TRR			
Typical Junction Capacitance (Note 2)		40			pF			
Typical Thermal Resistance R JA (Note 3)		30			C/W			
Operating and Storage Temperature Range TJ, Tsro		-65 +150				°C		

NOTES:

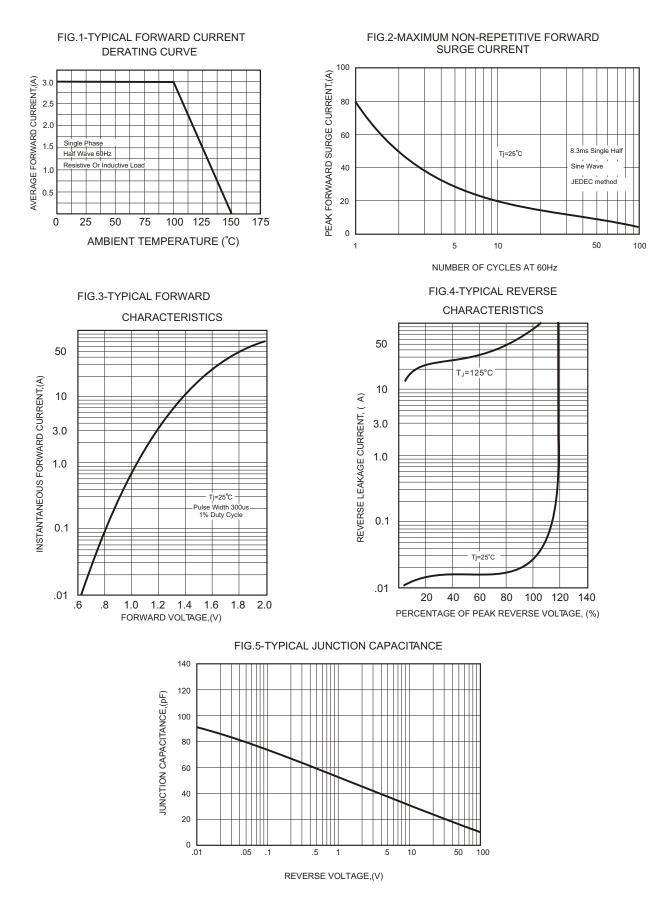
1. Reverse Recovery Time test condition: IF=0.5A, IR=1.0A, IRR=0.25A

2. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

3. Thermal Resistance from Junction to Ambient.



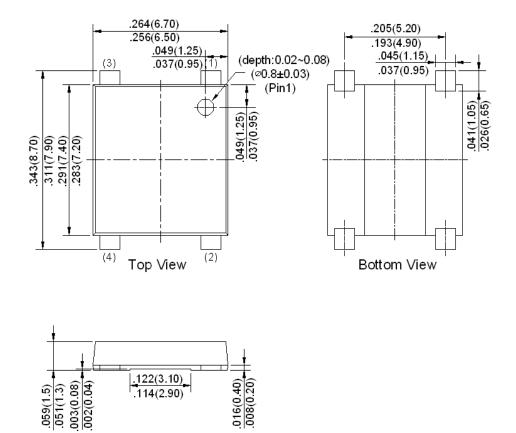
RATING AND CHARACTERISTIC CURVES (FMSB30A THRU FMBS30M)





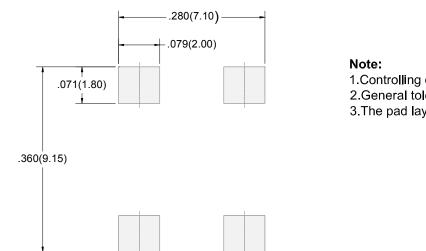
FMSB30A THRU FMBS30M

UMSB Package Outline Dimensions



Dimensions in inches and (millimeters)

UMSB Suggested Pad Layout



1.Controlling dimension:in millimeters.

- 2.General tolerance:±0.05mm.
- 3. The pad layout is for reference purposes only.

REEL SPECIFICATION

P/N	PKG	QTY
FMSB30A THRU FMBS30M	UMSB	3000



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