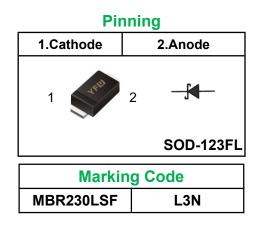


SCHOTTKY BARRIER RECTIFIER

FEATURES

Guardring for Stress Protection
Low Forward Voltage
125°C Operating Junction Temperature
Epoxy Meets UL 94 V-0

MBR230LSF SOD-123FL



Absolute Maximum Ratings Ta = 25℃

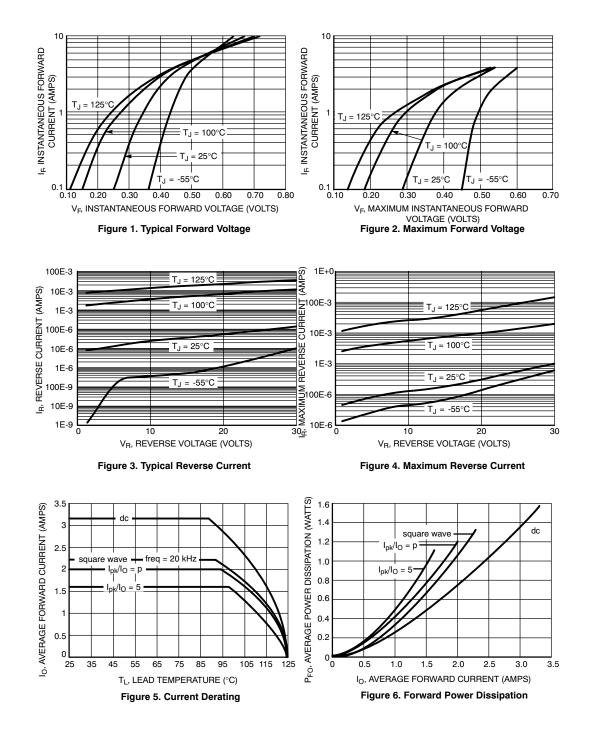
Rating	Symbol	Value	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	30	V
Average Rectified Forward Current (At Rated V_R , T_L = 105°C)	Ι _Ο	2.0	А
Peak Repetitive Forward Current (At Rated V_R , Square Wave, 100 kHz, T _L = 95°C)	I _{FRM}	4.0	A
Non-Repetitive Peak Surge Current (Non-Repetitive peak surge current, halfwave, single phase, 60 Hz)	I _{FSM}	40	A
Storage Temperature	T _{stg}	-55 to 150	°C
Operating Junction Temperature	TJ	-55 to 125	°C
Voltage Rate of Change (Rated V_R , T_J = 25°C)	dv/dt	10,000	V/μs

Electricalcharacteristics (Ta= 25°C)

Maximum Instantaneous Forward Voltage (Note 3)	V _F	T _J = 25°C	T _J = 100°C	V
(I _F = 1.0 A) (I _F = 2.0 A)		0.38 0.43	0.30 0.37	
Maximum Instantaneous Reverse Current (Note 3)	I _R	T _J = 25°C	T _J = 100°C	mA
(V _R = 30 V)		1.0	25	



Typical Characterisitics





Marking Diagram

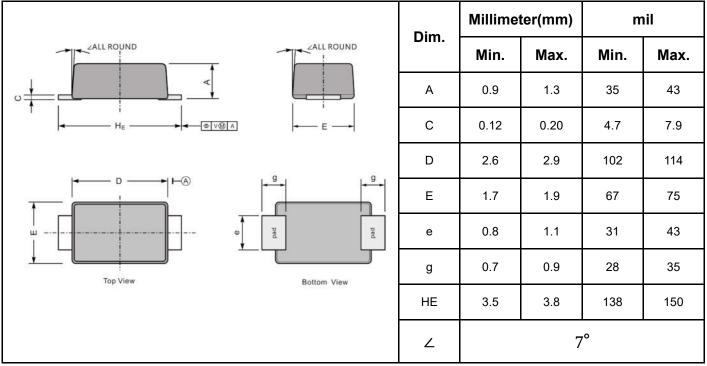


Ordering information

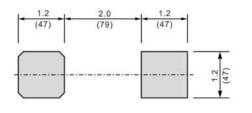
Package	Packing Description	Packing Quantity	
SOD-123FL	Tape/Reel,7"reel	"reel 3000PCS/Reel 120000PCS/Carton	

Package Dimensions

SOD-123FL



The recommended mounting pad size



Unit: ________(mil)



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