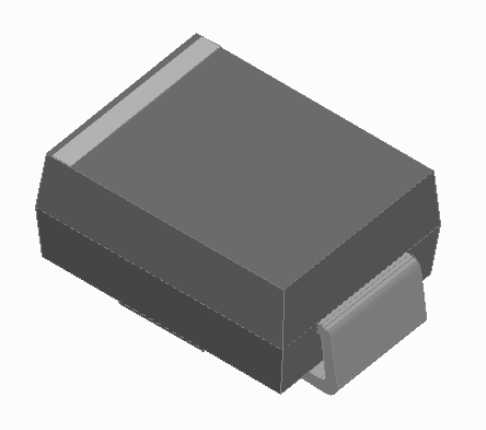
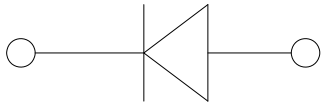
RoHS
COMPLIANT



- Low profile package
- Ideal for automated placement
- Glass passivated chip junction
- High forward surge capability
- Super Fast reverse recovery time
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C

For use in high frequency rectification of power supplies, inverters, converters, and freewheeling diodes for consumer, and telecommunication.



- : DO-214AA (SMB)
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Cathode line denotes the cathode end

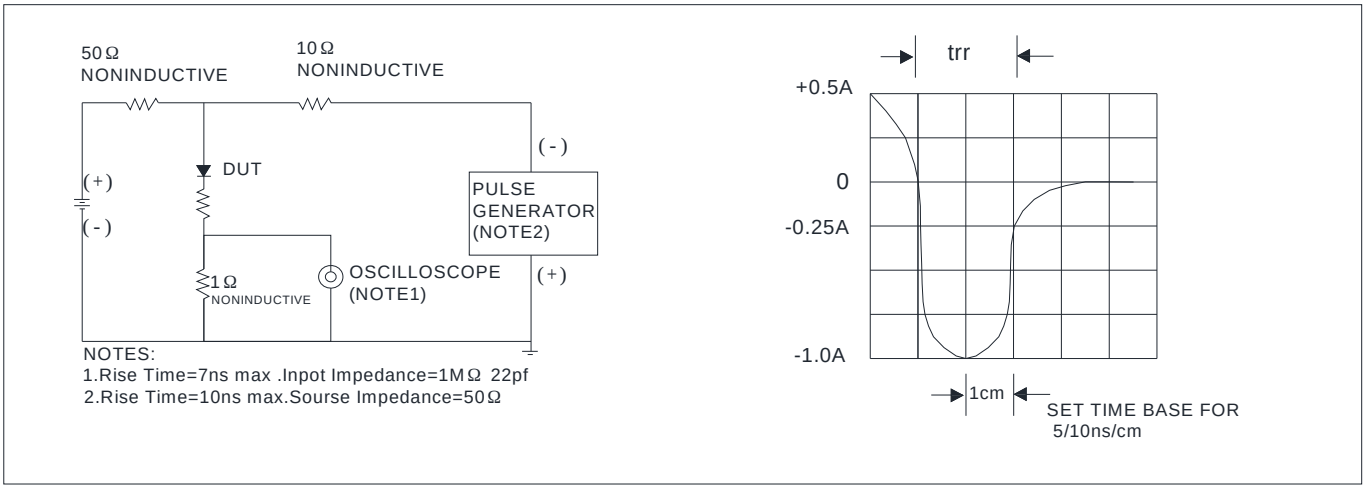
■ (T_a=25 Unless otherwise specified

Device marking code			MURS120B	MURS140B	MURS160B
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	V	200	400	600
Maximum RMS Voltage	V_{RMS}	V	140	280	420
Maximum DC blocking Voltage	V_{DC}	V	200	400	600
Average rectified output current @60Hz sine wave, resistance load, TL (Fig.1)	I_O	A	1.0		
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25	I_{FSM}	A	30		
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			60		
Current squared time @1ms≤t≤8.3ms Tj=25	I^2t	A^2s	3.735		
Storage temperature	T_{stg}	℃	-55 ~ +150		
Junction temperature	T_j	℃	-55 ~ +150		

■ T_{aa}

■ T_a=25℃ Unless otherwise specified

Typical Thermal resistance	$R_{\theta J-A}$(1)	℃/W	65		
	$R_{\theta J-L}$(1)		20		
	$R_{\theta J-C}$(1)		18		

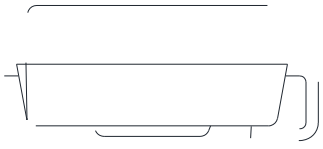


■ (Example)

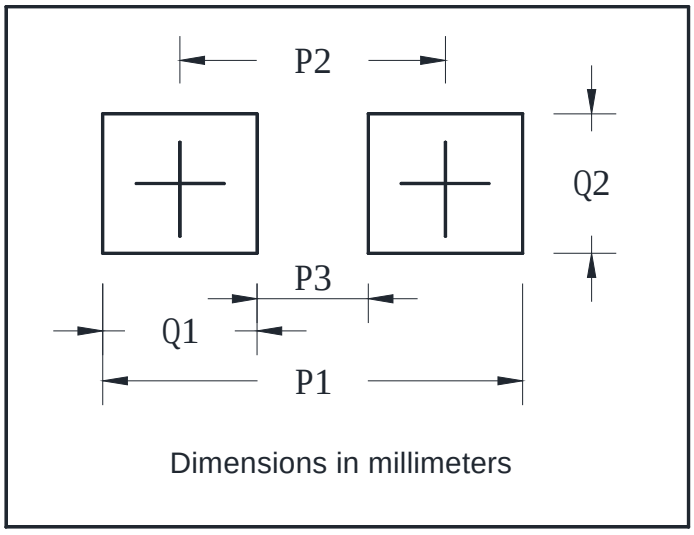
MURS120B-MURS160B	F1	Approximate 0.096	3000	/	48000	13” reel
MURS120B-MURS160B	F2	Approximate 0.096	750	6000	24000	7” reel
MURS120B-MURS160B	F3	Approximate 0.096	500	4000	16000	7” reel

■





Dim	Min	Max
A	1.85	2.15
B	3.30	3.94
C	4.05	4.75
D	1.99	2.61
E	5.21	5.59
F	0.90	1.41
G	0.05	0.20
H	0.15	0.31



Dim	Millimeters
P1	6.8
P2	4.3
P3	1.8
Q1	2.5
Q2	2.3

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

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