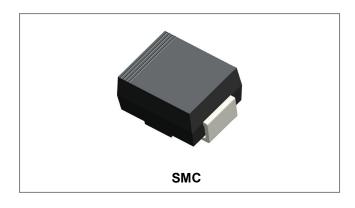


MURS360

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MURS360 ULTRAFAST RECTIFIE



Circuit Diagram

Features

- Ultra-Fast Switching
- High Current Capability
- Low Reverse Leakage Current
- High Surge Current Capability
- Plastic Material has UL Flammability Classification 94V-O
- This is a Pb Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request

Cathode Anode

Mechanical Data

- Case: Low Profile Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Weight: 0.23grams(approx)

Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

Characteristic	Symbol	MURS360	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	600	V
RMS Reverse Voltage	V _{R(RMS)}	420	V
Average Rectified Output Current (Note 1) $@T_A = 55^{\circ}C$	lo	3.0	A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	150	A
Forward Voltage (per element) @I _F = 3.0A	V _{FM}	1.25	V
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_A = 125^{\circ}C$	I _{RM}	5.0 500	μA
Maximum Reverse Recovery Time (Note 1)	Trr	50	ns
Typical Thermal Resistance Junction to Ambient (Note 2)	Reja	25	K/W
Junction Temperature	TJ	-55 to +150	°C
Storage Temperature Range	T _{STG}	-55 to +150	°C

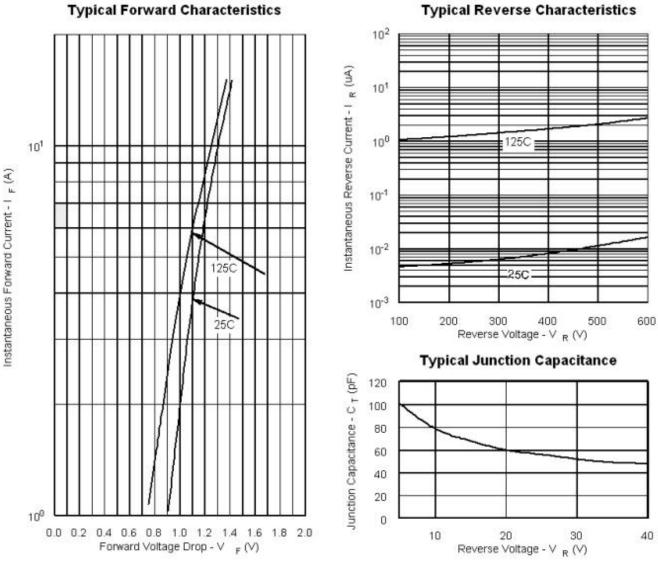
Note: 1. Reverse Recovery Test Conditions: IF=0.5A, IR=1.0A, IRR=0.25A 2. Mount on Cu-Pad Size 16mm×16mm on P.C.B.

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Ratings and Characteristics Curves



MURS360

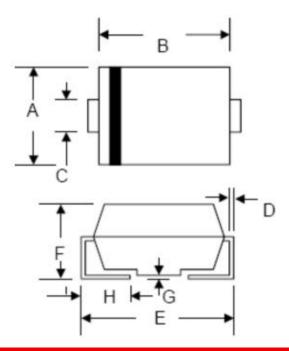
Pb

RoHS



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Mechanical Dimensions SMC



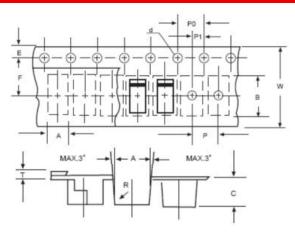
SYMBOL	Millimeters		Inches	
STMBOL	Min.	Max.	Min.	Max.
Α	5.59	6.22	0.220	0.245
В	6.60	7.11	0.260	0.280
С	2.75	3.25	0.108	0.128
D	0.152	0.305	0.006	0.012
E	7.75	8.25	0.305	0.325
F	2.00	2.95	0.079	0.116
G	0.051	0.203	0.002	0.008
Н	0.76	1.60	0.030	0.063

Ordering Information

Device	Package	Shipping
MURS360	SMC (Pb-Free)	3000pcs / reel

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our tape and reel packaging specification.

Carrier Tape Specification SMC



SYMBOL	Millimeters		
STIVIBOL	Min.	Max.	
A	5.90	6.10	
В	8.20	8.40	
С	2.40	2.60	
d	1.40	1.60	
E	1.40	1.60	
F	7.60	7.70	
Р	7.90	8.10	
P0	3.90	4.10	
P1	3.90	4.10	
Т	-	0.600	
W	15.80	16.20	

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Marking Diagram

MURS360

XXXXXX

Where XXXXX is YYWWL

MURS = Device Type = Forward Current (3A) 60

3

ΥY

L

WW

= Reverse Voltage (600V)

= Year

= Week = Lot Number

Cautions: Molding resin Epoxy resin UL:94V-0

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