Green Products

MURS360 ULTRAFAST PLASTIC RECTIFIER

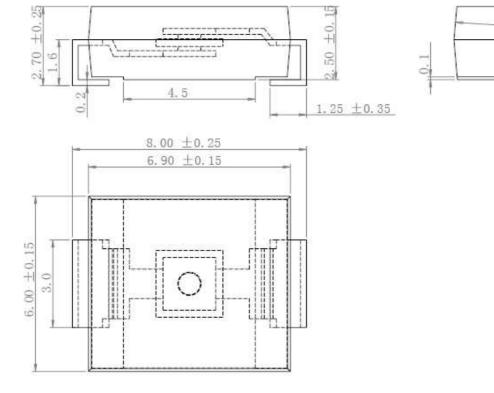
Applications:

- Switching Power Supply
- Power Switching Circuits
- General Purpose

Features:

- Glass Passivated Die Construction
- Ideally Suited for Automatic Assembly
- Low Forward Voltage Drop, High Efficiency
- Low Power Loss
- Super Fast Recovery Time
- Plastic Case Material has UL Flammability Classification Rating 94V-O
- This is a Pb Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request

Mechanical Dimensions: In mm



SMC

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Marking Diagram:



Where XXXXX is YYWWL

MURS = Device Type

3 = Forward Current (3A) 60 = Reverse Voltage (600V)

YY = Year WW = Week L = Lot Number

Cautions: Molding resin

Epoxy resin UL:94V-0

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.

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Maximum Ratings and Electrical Characteristics @T_A=25℃ unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

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°C	lo	3.0	А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	150	А
Forward Voltage (per element) @I _F = 3.0A	V _{FM}	1.25	V
Peak Reverse Current $@T_A = 25$ °CAt Rated DC Blocking Voltage $@T_A = 125$ °C	I _{RM}	5.0 500	μА
Maximum Reverse Recovery Time (Note 1)	Trr	50	ns
Typical Thermal Resistance Junction to Ambient (Note 2)	R _{θJA}	25	K/W
Max. Junction Temperature	T _J	-55 to +150	C.
Storage Temperature Range	T _{STG}	-55 to +150	C.
Approximate Weight	wt	0.65	g
Case Style	SMC		

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.

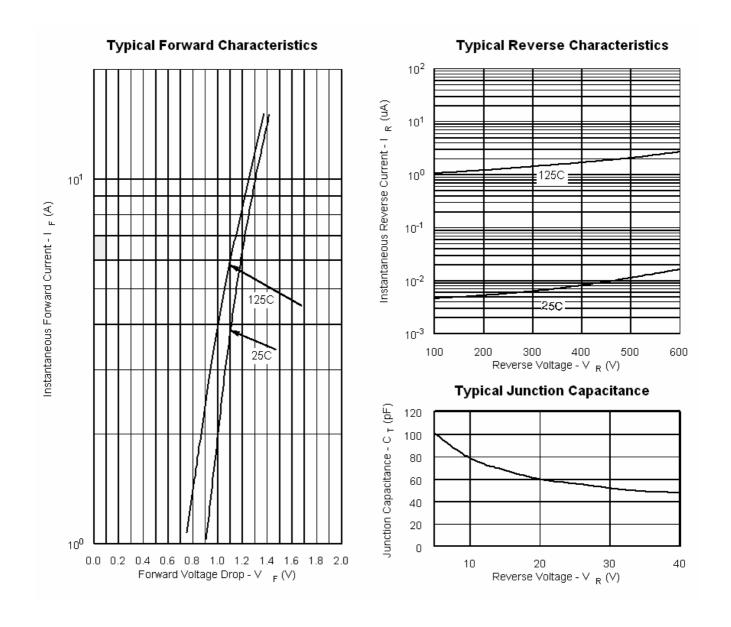
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MURS360

Technical Data Data Sheet N0241, Rev. A **Green Products**

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