

Green Products

MUR620 ULTRAFAST PLASTIC RECTIFIER

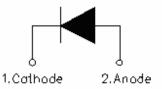
Applications:

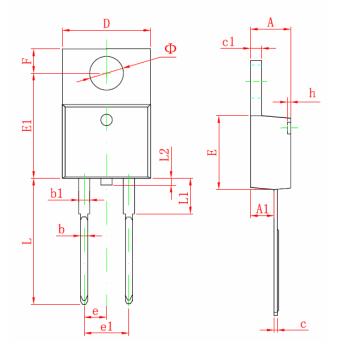
- Switching Power Supply
- Power Switching Circuits
- General Purpose

Features:

- Utra-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

Mechanical Dimensions: In mm





Symbol	Dimensions In Millimeters		
	Min	Мах	
A	4.470	4.670	
A1	2.520	2.820	
b	0.710	0.910	
b1	1.170	1.370	
с	0.310	0.530	
c1	1.170	1.370	
D	10.010	10.310	
E	8.500	8.900	
E1	12.060	12.460	
e	2.540 TYP		
e1	4.980	5.180	
F	2.590	2.890	
h	0.000	0.300	
L	13.400	13.800	
L1	3.560	3.960	
L2		1.000	
Φ	3.735	3.935	

TO-220AC

Weiqi Street, Airport Development Zone, Jiangning District, Nanjing, China 211113 (86) 25-87123907 •
FAX (86) 25-87123900 • World Wide Web Site - http://www.sangdest.com.cn • E-Mail Address - sales@ sangdest.com.cn •



Technical Data Data Sheet N273, Rev. -

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Marking Diagram:



Where XXXXX is YYWWL

MUR	= Device Type
6	= Forward Current (6A)
20	= Reverse Voltage (200V)
SSG	= SSG
ΥY	= Year
WW	= Week
L	= Lot Number

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

Ordering Information:

Device	Package	Shipping	
MUR620	TO-220AC	50pcs / tube	
	(Pb-Free)		

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°C unless otherwise specified

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

Characteristic	Symbol	MUR620	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	200	V
Average Rectified Output Current (Note 1) $@T_A = 95^{\circ}C$	lo	6.0	А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	80	А
Forward Voltage (per element) $@I_F = 6.0A, T_J=25^{\circ}C$	V _{FM1}	1.3	V
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_A = 125^{\circ}C$	I _R	10 500	μA
Maximum Reverse Recovery Time (Note 1)	Trr	35	ns
Typical Thermal Resistance Junction to Ambient (Note 2)	Reja	25	K/W
Typical Junction Capacitance (Note 3)	CJ	80	pF
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to +150	°C
Approximate Weight	wt	1.02	g
Case Style		TO-220AC	

Note: 1.Measured with $I_F=0.5A$; $I_R=1.0A$; $I_{RR}=0.25A$.

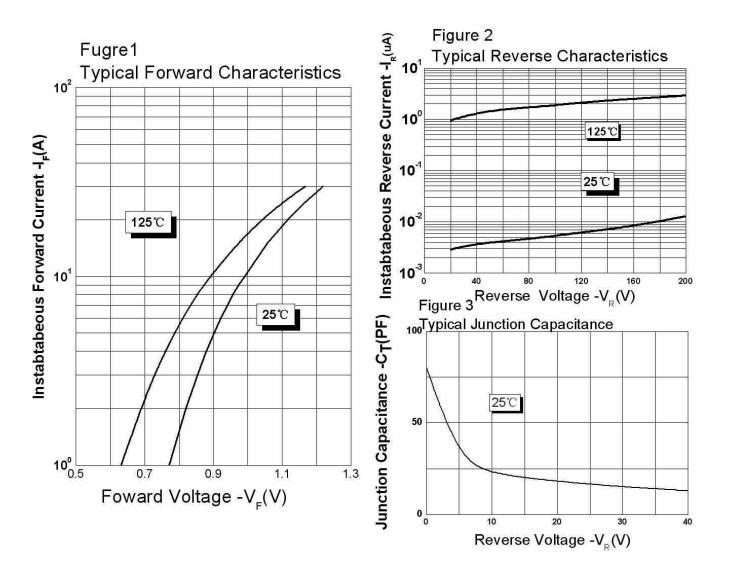
2. Mount on Cu-Pad Size 16mm×16mm on P.C.B.

3. Measured at 1.0MHz and applied reverse voltage of 4.0V D.C

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