

MURF1620CT

Technical Data Data Sheet N0352, Rev. - **Green Products**

MURF1620CT ULTRAFAST RECTIFIER

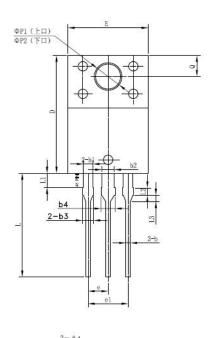
Applications:

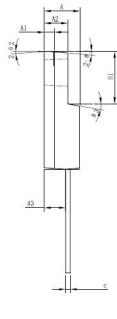
- Switching Power Supply
- Power Switching Circuits
- General Purpose

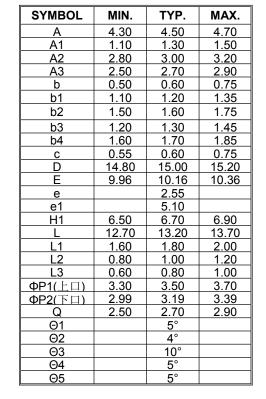
Features:

- 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

Mechanical Dimensions: In mm







ITO-220AB

- China Germany Korea Singapore United States
 - http://www.smc-diodes.com sales@ smc-diodes.com •

Center Tap 1 2 3

OUTLINE DRAWING

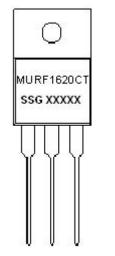


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Marking Diagram:



Where XXXXX is YYWWL

MUR	= Device Type
F	= Package type
16	= Forward Current (16A)
20	= Reverse Voltage (200V)
СТ	= Configuration
SSG	= SSG
YY	= Year
WW	= Week
L	= Lot Number

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

Ordering Information:

Device	Package	Shipping
MURF1620CT	ITO-220AB	50pcs / tube
	(Pb-Free)	30pes / tube

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	MURF1620CT	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	200	V
Average Rectified Output Current $@T_A = 55^{\circ}C$	lo	16.0	А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	125	A
Forward Voltage (per element) @I _F = 8.0A, T _J =25°C	V _{FM1}	1.5	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 Junction Capacitance (Note 2)	CJ	80	pF
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to +150	°C
Approximate Weight	wt	2.0	g
Case Style		ITO-220AB	

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

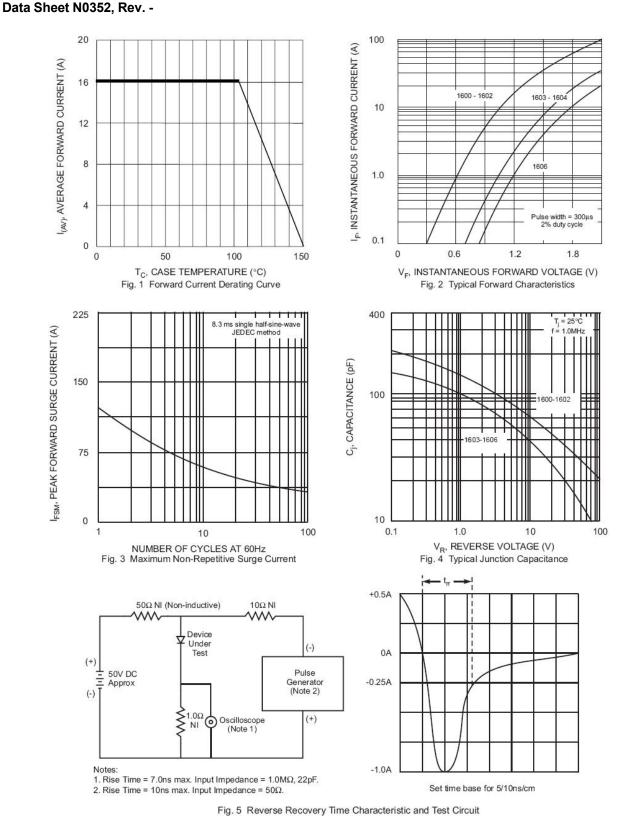
2.Measured at 1.0MHz and applied reverse voltage of 4.0V D.C.



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