

Green Products

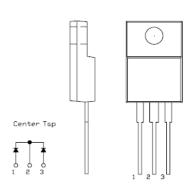
MURF1060CT ULTRAFAST PLASTIC RECTIFIER

Applications:

- Switching Power Supply
- Power Switching Circuits
- General Purpose

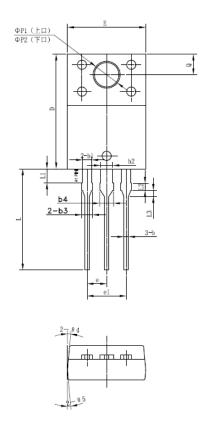
Features:

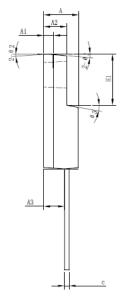
- Ultra-Fast Switching
- High Current Capability
- Low Reverse Leakage Current
- High Surge Current Capability
- Plastic Material has UL Flammability Classification 94V-O
- This is a Pb Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request



OUTLINE DRAWING

Mechanical Dimensions: In mm





SYMBOL	IBOL MIN. TYP.		MAX.
Α	4.30	4.50	4.70
A1	1 10	1.30	1.50
A2	2.80	3.00	3.20
A1 A2 A3 b	2.80 2.50 0.50	2.70	2.90
b	0.50	0.60	0.75
b1	1.10	1.30 3.00 2.70 0.60 1.20	1.35
b2	1.50	1.60	1.50 3.20 2.90 0.75 1.35 1.75
b3	1.20	1.30	1 45
b4	1.60	1.70	1.85 0.75 15.20
С	0.55	0.60	0.75
b4 c D E	14.80	0.60 15.00 10.16 2.55 5.10 6.70 13.20 1.80	15.20
E	9.96	10.16	10.36
e		2.55	
e1		5.10	
H1 L L1 L2 L3	6.50	6.70	6.90
L	12.70 1.60	13.20	13.70 2.00 1.20 1.00 3.70 3.39
L1	1.60	1.80	2.00
L2	0.80	1.00	1.20
L3	0.60	0.80	1.00
ΦP1(上口)	3.30 2.99	3.50 3.19 2.70	3.70
ΦP2(下口)	2.99	3.19	3.39
Q Θ1	2.50	2.70	2.90
Θ1		5°	
Θ2 Θ3 Θ4		5° 4° 10° 5° 5°	
Θ3		10°	
Θ4		5°	
Θ5		5°	

ITO-220AB

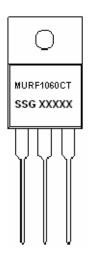
[•] Weiqi Street, Airport Development Zone, Jiangning District, Nanjing, China 211113 🗏 (86) 25-87123907 •

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Marking Diagram:



Where XXXXX is YYWWL

MUR = Device Type F = Package type

10 = Forward Current (10A) 60 = Reverse Voltage (600V)

CT = Configuration

SSG = SSG YY = Year WW = Week L = Lot Number

Cautions: Molding resin

Epoxy resin UL:94V-0

Ordering Information:

Device	Package	Shipping
MURF1060CT	ITO-220AB	50pcs / tube
	(Pb-Free)	Sopes / tube

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specification.

Maximum Ratings:

Characteristics	Symbol	Condition	Max.	Units
Peak Inverse Voltage	V_{RWM}	-	600	V
Max. Average Forward	I _{F (AV)}	50% duty cycle @Tc=100°C, rectangular wave form	10	А
Max. Peak One Cycle Non- Repetitive Surge Current (Per leg)	I _{FSM}	8.3ms, Half Sine pulse	125	А

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Electrical Characteristics:

Characteristics	Symbol	Condition	Max.	Units
Max. Forward Voltage Drop	V_{F1}	@ 5A, Pulse, T _J = 25°C	1.7	V
(Per leg)*	V_{F2}	@ 5A, Pulse, T _J = 100°C	1.5	V
	I _{R1}	@V _R = rated V _R	5	μA
Max. Reverse Current*		$T_J = 25^{\circ}C$		
	I _{R2}	$@V_R = 0.8 V_R$	50	μA
		T _J = 100°C		
Max. Reverse Recovery Time	t _{rr}	I_F =500mA, I_R =1A,and I_m =250mA	50	ns

 $^{^*}$ Pulse width < 300 μ s, duty cycle < 2%

Thermal-Mechanical Specifications:

Characteristics	Symbol	Condition	Specification	Units
Max. Junction Temperature	T _J	-	-55 to +150	°C
Max. Storage Temperature	T _{stg}	-	-55 to +150	°C
Maximum Thermal	$R_{\theta JC}$	DC operation	4	°C/W
Resistance Junction to Case				
Approximate Weight	Wt	-	2	g
Case Style		ITO-220AB		

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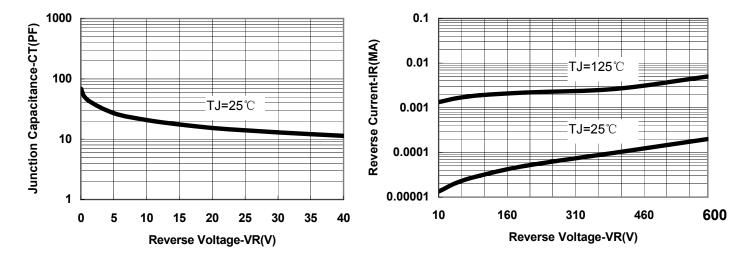


Fig.1-Typical Junction Capacitance

Fig.2-Typical Reverse Characteristics

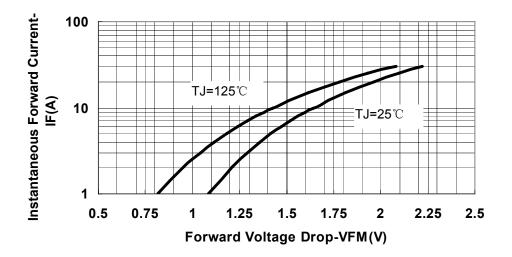


Fig.3-Typical Instantaneous Forward Voltage Characteristics

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MURF1060CT

Technical Data
Data Sheet N0237, Rev. -

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