

Green Products

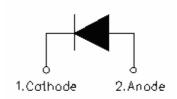
MURF1060 ULTRAFAST PLASTIC RECTIFIER

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

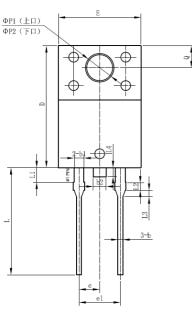


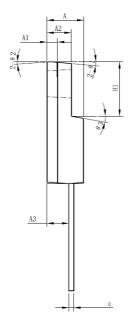
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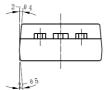
TYP

SYMBOL

Mechanical Dimensions: In mm







STWIBOL	IVIIIV.	IIF.	IVIAA.	
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	2.50	3.00 2.70 0.60	3.20 2.90 0.75	
b	0.50	0.60	0.75	
b1	1.10	1.20	1.35	
b2	1.50	1.60	1.75	
С	0.55	0.60	0.75	
C D E	14.80	15.00	15.20	
E	9.96	10.16	10.36	
е	-	2.55	-	
e1	-	5.10	-	
H1	6.50	6.70	6.90	
H1 L L1	12.70	13.20	13.70	
L1	1.60	1.80	2.00	
L2	0.80	1.00	1.20 1.00	
L3	0.60	0.80	1.00	
L4	-	1.10	1.50	
L2 L3 L4 ФР1(上口)	3.30	3.50	3.70	
ΦP2(ト□)	2.99	3.19	3.39	
Q Θ1	2.50	2.70	2.90	
Θ1		5°		
Θ2 Θ3		4° 10°		
Θ3		10°		
Θ4		5°		
Θ5		5°		

ITO-220AC(HD)

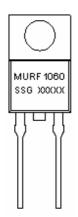
[•] Weiqi Street, Airport Development Zone, Jiangning District, Nanjing, China 211113 🗏 (86) 25-87123907 •

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Marking Diagram:



Where XXXXX is YYWWL

MUR = Device Type F = Package type

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

 SSG
 = SSG

 YY
 = Year

 WW
 = Week

 L
 = Lot Number

Cautions: Molding resin

Epoxy resin UL:94V-0

Ordering Information:

Device	Package	Shipping	
MURF1060	ITO-220AC	FOr as / tub s	
	(Pb-Free)	50pcs / 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	A
Max. Peak One Cycle Non- Repetitive Surge Current	I _{FSM}	8.3 ms, half Sine pulse	125	A

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Electrical Characteristics:

Characteristics	Symbol	Condition	Max.	Units
Max. Forward Voltage Drop	V_{F1}	@ 10A, Pulse, T _J = 25℃	2.2	V
	V_{F2}	@ 10 A, Pulse, T _J = 100°C	2.0	V
Max. Reverse Current	I _{R1}	@V _R = rated VR	5	μΑ
		T _J = 25℃		
	I _{R2}	$@V_R = 0.8 \text{ VR}$	50	μΑ
		T _J = 100℃		
Max. Reverse Recovery Time	t _{rr}	$I_F=500$ mA, $I_R=1$ A,and $I_{rm}=250$ mA	50	ns

^{*} Pulse Width < 300µs, Duty Cycle <2%

Measured lead to lead 5 mm from package body

Thermal-Mechanical Specifications:

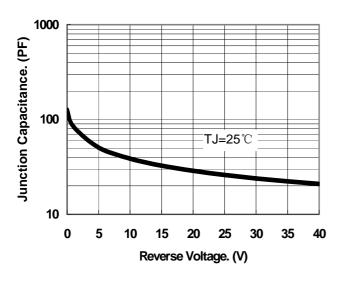
Characteristics	Symbol	Condition	Specification	Units
Max. Junction Temperature	TJ	-	-55 to +150	$^{\circ}$
Max. Storage Temperature	T _{stg}	-	-55 to +150	$^{\circ}$
Maximum Thermal Resistance Junction to Case	$R_{ heta JC}$	DC operation	4	°C/W
Approximate Weight	wt	-	1.6	g
Case Style		ITO-220AC		

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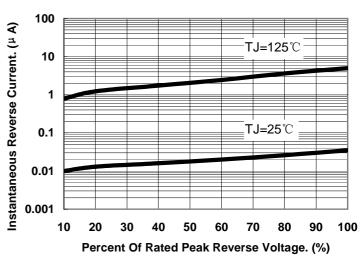


Fig.1-Typical Junction Capacitance

Fig.2-Typical Reverse Characteristics

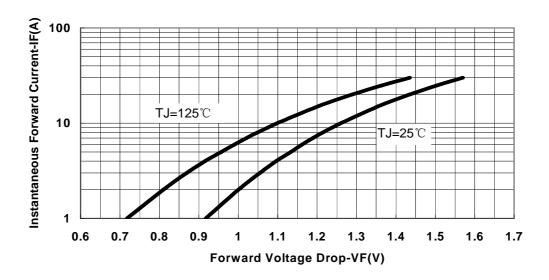


Fig.3-Typical Forward Voltage Drop Characteristics

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