

Green Products

LURF1060 ULTRAFAST PLASTIC RECTIFIER

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

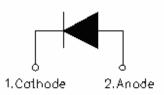
Mechanical Data:

Case: Molded Plastic

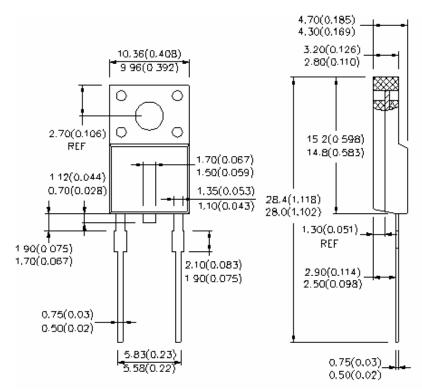
• Terminals: Plated Leads, Solderable per MIL-STD-202, Method 208

Weight: 1.6 grams (approx.)

Marking: Type NumberMounting Position: Any



Mechanical Dimensions: In Inches / mm



ITO-220AC

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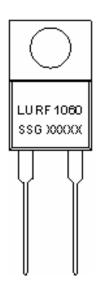
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Marking Diagram:



Where XXXXX is YYWWL

LUR = 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
LURF1060	ITO-220AC	FO pag / tuba
	(Pb-Free)	50 pcs / 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℃ rectangular wave form	10	A
Max. Peak One Cycle Non- Repetitive Surge Current	I _{FSM}	8.3 ms, half Sine pulse	180	А

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Electrical Characteristics:

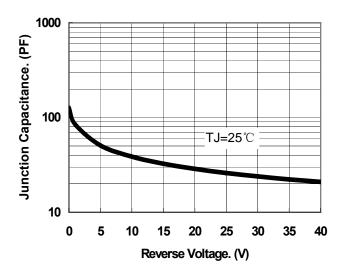
Characteristics	Symbol	Condition	Max.	Units
Max. Forward Voltage Drop	V_{F1}	@ 10A, Pulse, T _J = 25°C	2.2	V
	V_{F2}	@ 10 A, Pulse, T _J = 100°C	2.0	V
Max. Reverse Current	I _{R1}	@V _R = rated VR	5	μΑ
		T _J = 25℃		
	I _{R2}	@V _R = rated VR	50	μΑ
		T _J = 100 ℃		
Max. Reverse Recovery Time	t _{rr}	IF=10A, di/dt=50A/ s, 25℃	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	T_J	-	-55 to +150	$^{\circ}\mathbb{C}$
Max. Storage Temperature	T _{stg}	-	-55 to +150	$^{\circ}\mathbb{C}$
Maximum Thermal	$R_{ heta JC}$	DC operation	4	°C/W
Resistance Junction to Case				
Approximate Weight	wt	-	1.6	g
Case Style		ITO-220AC		

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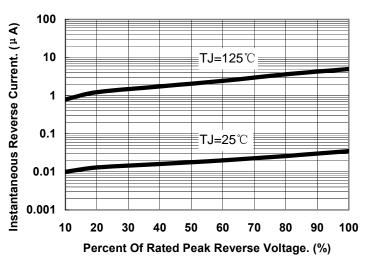


Fig.1-Typical Junction Capacitance

Fig.2-Typical Reverse Characteristics

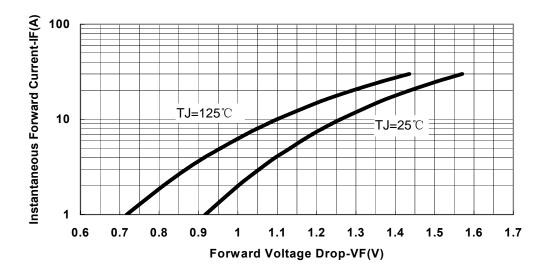


Fig.3-Typical Forward Voltage Drop Characteristics

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LURF1060

Technical Data
Data Sheet N0248, Rev. -

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