

Green Products

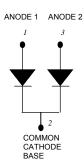
MUR3060WT ULTRAFAST PLASTIC RECTIFIER

Applications:

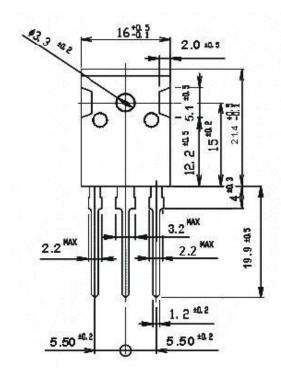
- Switching Power Supply
- Power Switching Circuits
- General Purpose

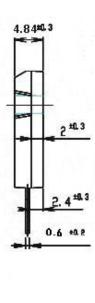
Features:

- 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



Mechanical Dimensions: In mm/Inches



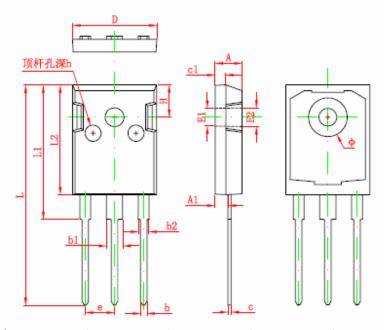


OPTION 1(SR)

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Symbol	Dimensions In Millimeters		Dimensions In Inches		
	Min	Max	Min	Max	
A	4.850	5.150	0.191	0.200	
A1	2.200	2.600	0.087	0.102	
b	1.000	1.400	0.039	0.055	
b1	2.800	3.200	0.110	0.126	
b2	1.800	2.200	0.071	0.087	
С	0.500	0.700	0.020	0.028	
c1	1.900	2.100	0.075	0.083	
D	15.450	15.750	0.608	0.620	
E1	3.500 REF		0.138 REF		
E2	3.600 REF		0.142 REF		
L	40.900	41.300	1.610	1.626	
L1	24.800	25.100	0.976	0.988	
L2	20.300	20.600	0.799	0.811	
Φ	7.100	7.300	0.280	0.287	
е	5.450 TYP		0.215 TYP		
Н	5.980 REF		0.235 REF		
h	0.000	0.300	0.000	0.012	

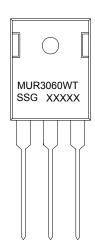
OPTION 2(CJ)

TO-247AD



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Marking Diagram:



Where XXXXX is YYWWL

MUR = Device Type

30 = Forward Current (30A) 60 = Reverse Voltage (600V)

WT = Configuration

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

Cautions: Molding resin

Epoxy resin UL:94V-0

Ordering Information:

Device	Package	Shipping
MUR3060WT	TO-247AD	20 pag / tuba
INDROUGUVI	(Pb-Free)	30 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°C, rectangular wave form	30		А
Max. Peak One Cycle Non- Repetitive Surge Current (Per leg)	I _{FSM}	8.3ms, Half Sine pulse	T _J =45°C T _J =150°C	110 95	Α

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Electrical Characteristics:

Characteristics	Symbol	Condition	Max.	Units
Max. Forward Voltage	V_{F1}	@ 15A, Pulse, T _J = 25°C	1.7	V
Drop(Per leg)*	V_{F2}	@ 15A, Pulse, T _J = 150°C	1.5	V
Max. Reverse Current*	I _{R1}	$@V_R = \text{rated } V_R$ $T_A = 25^{\circ}C$	50	μA
Wax. Neverse ourient	I _{R2}	@V _R = rated V _R	3	mA
Max. Reverse Recovery Time	t _{rr}	$I_J = 125$ °C $I_F = 500$ mA, $I_R = 1$ A,and $I_m = 250$ mA	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 Resistance Junction to Case	$R_{ heta JC}$	DC operation	3.5	°C/W
Approximate Weight	wt	-	6.7	g
Case Style		TO-247AD	•	•





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DISCLAIMER:

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