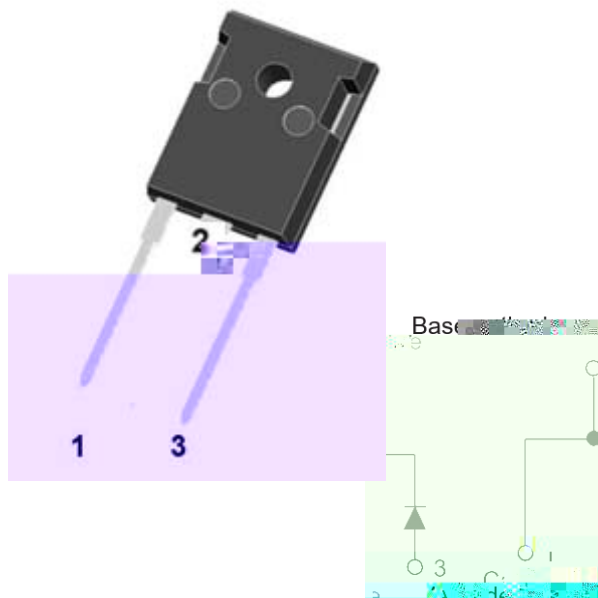




• Typical applications are in switching power supplies, converters, freewheeling diodes, and reverse battery protection.

- : TO-247AC
- Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102
- : As marked

■ (T_j=25 Unless otherwise specified

Device marking code			MUR3060PL
Repetitive Peak (Reverse) Voltage	V_{RRM}	A	30
Surge (Non-repetitive) Forward Current @60Hz half sine-wave, 1 cycle, T _a =25	I _{FSM}	A	300
Current Squared Time @1ms≤t≤8.3ms T _j =25	I ² t	A ² s	373
Single Pulse Avalanche Energy @ T _p =40uS, T _j =25, L=15mH	EAS	mJ	210
Storage Temperature	T _{stg}		-55 ~ +175
Junction Temperature	T _j		-55 ~ +175
Typical Junction capacitance @4V,1MHz	C _j	pF	160

- Low forward Voltage drop
- Fast reverse recovery time



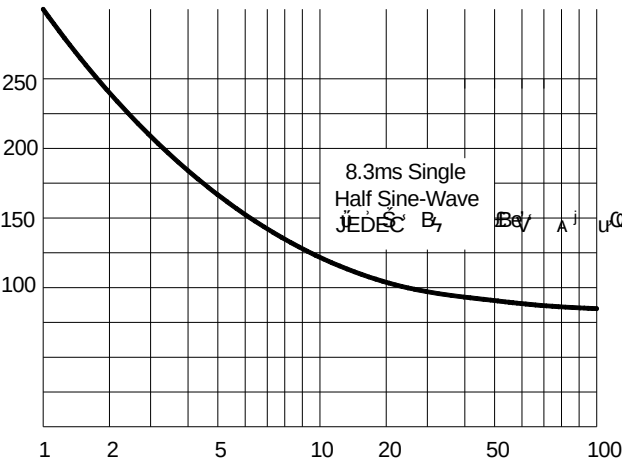
Instantaneous forward voltage drop per diode	V_{FM}	V	$I_{FM}=30.0A$ @ $T_j=25$		-	2.0
			$I_{FM}=30.0A$ @ $T_j=125$			1.65
DC reverse current at rated DC blocking voltage per diode	I_{RRM1}	uA	$V_{RM}=V_{RRM}$ $T_j=25$		-	-
	I_{RRM2}		$V_{RM}=V_{RRM}$ $T_j=125$		-	-
Reverse Recovery Time	T_{rr}	ns	$I_F=0.5A$ $I_{RM}=1A$ $I_{RR}=0.25A$ $T_j=25$		-	28
			$T_j=25$		-	60.5
			$T_j=125$		-	96.98
Peak recovery current	I_{RRM}	A	$T_j=25$		-	3.53
			$T_j=125$		-	11.3
Reverse recovery charge	Q_{rr}	nC	$T_j=25$		-	106.7
			$T_j=125$		-	537.25

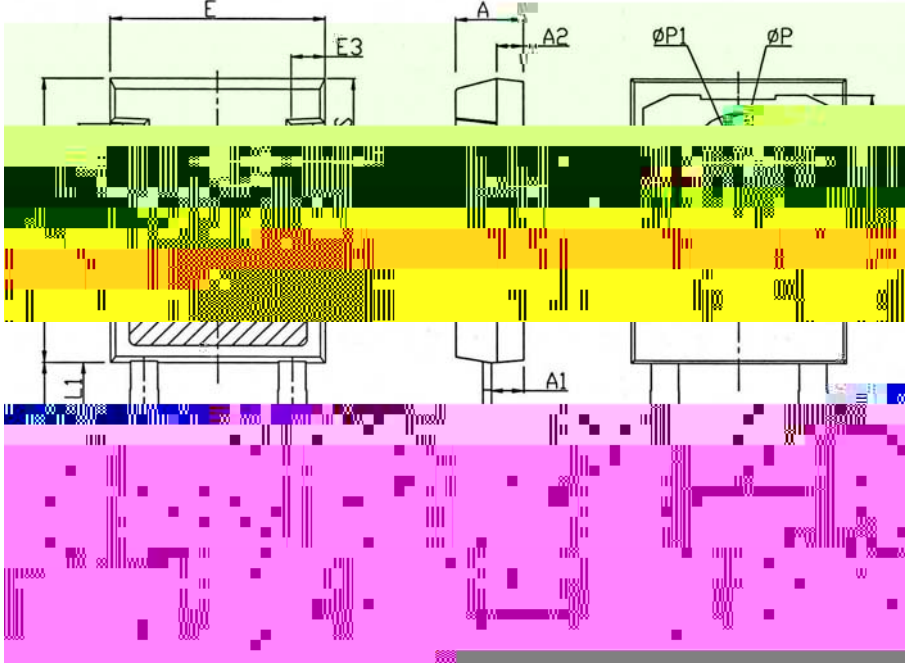
$T_j=25$ Unless otherwise specified

Thermal Resistance	Between junction and case	$R_{\theta J-C}$	W	1.0
	Between junction and Air	$R_{\theta J-A}$	W	50

(Typical)

3 ' v i j « i è 30





Dim	Min	Max
A	4.80	5.20
A1	2.21	2.61
A2	1.85	2.15
b	1.11	1.36
b2	1.91	2.21
c	0.51	0.75
D	20.70	21.30
D1	16.25	16.85
E	15.50	16.10
E1	13.00	13.60
E2	4.80	5.20
E3	2.30	2.70
e	10.88 TYP	
L	19.62	20.22
L1	-	4.30
φP	3.40	3.80

φP1



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