

Technical Data Data Sheet N0326, Rev. - **Green Products**

MURB860 ULTRAFAST PLASTIC RECTIFIER

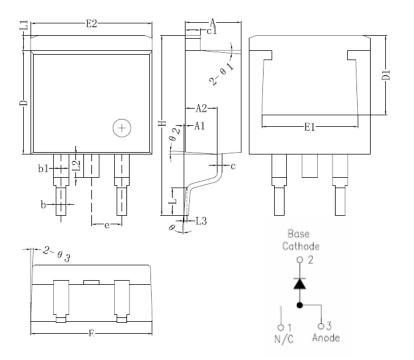
Applications:

- 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



Symbol		Dimensions in			
	millimeters				
	Min.	Typical	Max.		
Α	4.55	4.70	4.85		
A1	0	0.10	0.25		
A2	2.59	2.69	2.89		
b	0.71	0.81	0.96		
b1		1.27			
С	0.36	0.38	0.61		
c1	1.17	1.27	1.37		
D	8.55	8.70	8.85		
D1	6.40				
E	10.01	10.16	10.31		
E1	7.6				
E2	9.98	10.08	10.18		
е		2.54			
Н	14.6	15.1	15.6		
L	2.00	2.30	2.70		
L1	1.17	1.27	1.40		
L2			2.20		
L3		0.25BSC			
е	0	-	8°		
e1		5°			
e2		4°			
e3		4°			

$D^2 PAK$

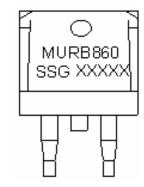
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FAX (86) 25-87123900 • World Wide Web Site - http://www.sangdest.com.cn • E-Mail Address - sales@ sangdest.com.cn •



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Marking Diagram:



Where XXXXX is YYWWL

MUR	= Device Type
В	= Package type
8	= Forward Current (8A)
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
MURB860	D ² PAK (Pb-Free)	800pcs / reel

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=55°C, rectangular wave form	8	А
Max. Peak One Cycle Non- Repetitive Surge Current (Per leg)	I _{FSM}	8.3ms, Half Sine pulse	110	А

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Electrical Characteristics:

Characteristics	Symbol	Condition	Max.	Units
Max. Forward Voltage Drop*	V _{F1}	@ 8A, Pulse, T _J = 25°C	2.2	V
	V _{F1}	@ 8A, Pulse, T _J = 125°C	2.0	V
Max. Reverse Current*	I _{R1}	@V _R = rated V _R T _J = 25°C	5	μA
	I _{R2}	@ V _R = rated V _R T _J = 125°C	50	μA
Max. Reverse Recovery Time	t _{rr}	I_F =500mA, I_R =1A,and I_m =250mA, T_J = 25°C	50	ns

* Pulse width < 300 μ s, duty cycle < 2%

Thermal-Mechanical Specifications:

Characteristics	Symbol	Condition	Specification	Units
Max. Junction Temperature	ΤJ	-	-55 to +150	°C
Max. Storage Temperature	T _{stg}	-	-55 to +150	°C
Typical Thermal Resistance Junction to Ambient	$R_{ ext{ heta}JA}$	DC operation	25	K/W
Approximate Weight	wt	-	1.85	g
Case Style		D ² PAK		

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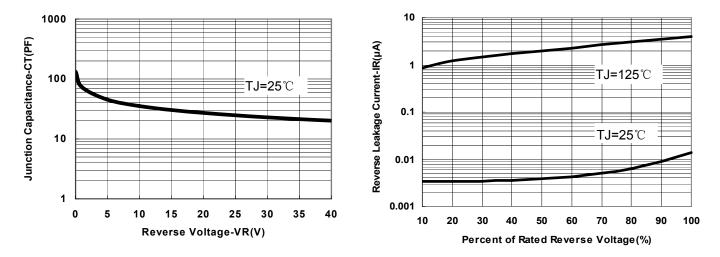




Fig.2-Typical Reverse Characteristics

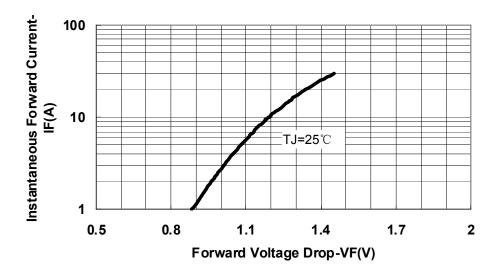


Fig.3-Typical Forward Voltage Drop Characteristics



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