

10A, 600V Glass Passivated Low VF High Efficient Rectifier

FEATURES

- Low conduction loss for high efficiency
- Excellent high temperature stability
- High forward surge capability
- Compliant to RoHS Directive 2011/65/EU and in accordance to WEEE 2002/96/EC
- Halogen-free according to IEC 61249-2-21







TYPICAL APPLICATIONS

MURF10L60 is especially suited as boost diode in discontinuous mode power factor correction or as a free wheeling diode in other power supply applications.

MECHANICAL DATA

PIN 2

ITO-220AC

wheeling diode in other power supply applications.		
ing 94V-0 d (halogen-free) D22-B102	PIN 2 O N	
		UNIT
		V
		V
V _{DC}		V
F(AV)	10	A
I _{FSM}	100	А
V _F	1.3	V
	5	
I _R	200	μΑ
	05	
ι _{rr}	65	ns
$R_{ heta JC}$	3.5	00044
$R_{ heta JA}$	10	°C/W
T _J	- 55 to +150	°C
T _{STG}		
	CHARACTERIST SYMBOL V _{RM} V _{RM} V _{RM} V _{RM} V _{RM} V _{RM} V _B	CHARACTERISTICS (T _A =25°C unless otherwise noted) SYMBOL MURF10L60 V _{RM}

Note 1: Pulse test with PW=300µs, 1% duty cycle





ORDERING INFORMATION					
PART NO.	ART NO. PACKING CODE SUFFIX PAC		PACKAGE	PACKING	
MURF10L60	C0	G	ITO-220AC	50 / Tube	

Note: Whole series with green compound

EXAMPLE						
EXAMPLE P/N PART NO. PAC		PACKING CODE	PACKING CODE SUFFIX	DESCRIPTION		
MURF10L60 C0G	MURF10L60	C0	G	Green compound		

RATINGS AND CHARACTERISTICS CURVES

(T_A=25°C unless otherwise noted)

0

25

12 AVERAGE FORWARD CURRENT (A) 10 8 6 4 Resistive or inductive load with heat sink

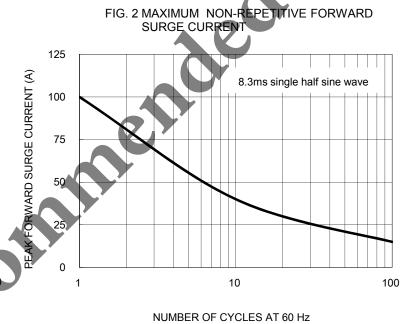
FIG.1 FORWARD CURRENT DERATING CURVE

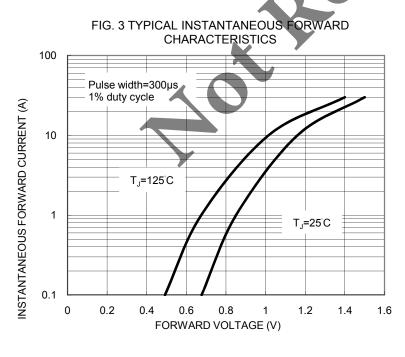
CASE TEMPERATURE (°C)

75

100

125





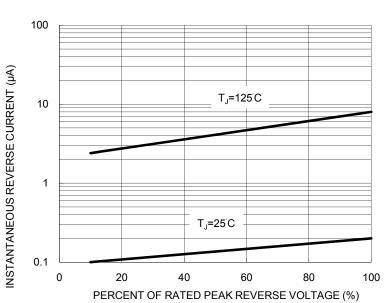
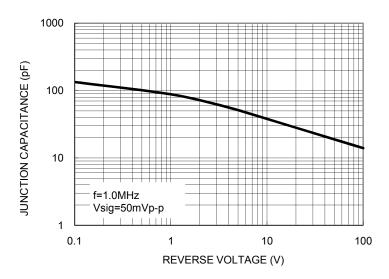


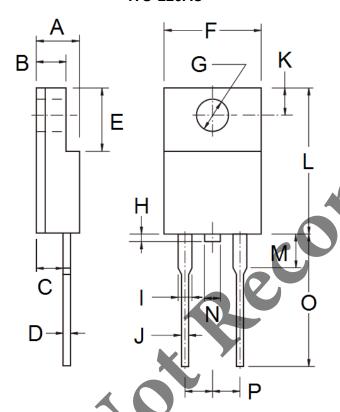
FIG. 4 TYPICAL REVERSE CHARACTERISTICS



FIG. 5 TYPICAL JUNCTION CAPACITANCE



PACKAGE OUTLINE DIMENSIONS ITO-220AC



DIM.	Unit (mm)		Unit (inch)	
	Min	Max	Min	Max
Α	4.30	4.70	0.169	0.185
В	2.50	3.16	0.098	0.124
C	2.30	2.96	0.091	0.117
9	0.46	0.76	0.018	0.030
E	6.30	6.90	0.248	0.272
F	9.60	10.30	0.378	0.406
G	3.00	3.40	0.118	0.134
Н	0.00	1.60	0.000	0.063
ı	0.95	1.45	0.037	0.057
J	0.50	0.90	0.020	0.035
K	2.40	3.20	0.094	0.126
L	14.80	15.50	0.583	0.610
М	1	4.10	ı	0.161
N	-	1.80	-	0.071
0	12.60	13.80	0.496	0.543
Р	4.95	5.20	0.195	0.205

MARKING DIAGRAM



P/N = Specific Device Code

G = Green Compound

YWW = Date Code F = Factory Code





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Version: A1601