

MURF540

Technical Data Data Sheet N0340, Rev. A **Green Products**

MURF540 ULTRAFAST PLASTIC RECTIFIER

Applications:

- Switching Power Supply
- Power Switching Circuits
- General Purpose

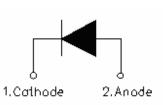
Features:

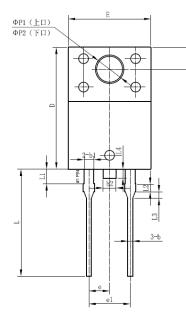
- Ultra-Fast Switching
- High Current Capability
- Low Reverse Leakage Current
- High Surge Current Capability
- Plastic Material has UL Flammability Classification 94V-O
- This is a Pb Free Device
- All SMC parts are traceable to the wafer lot

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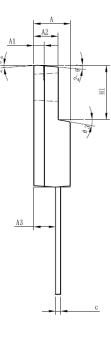
• Additional testing can be offered upon request

Mechanical Dimensions: In mm





пh



		1	
SYMBOL	MIN.	TYP.	MAX.
A	4.30	4.50	4.70
A1	1.10	1.30	1.50
A2	2.80	3.00	3 20
A3 b	2.50	2.70	2.90 0.75
b	0.50	0.60	0.75
b1	1.10	1.20	1.35
b2	1.50	1.60	1.75
C D	0.55	0.60	0.75
D	14.80	15.00	15.20
E	9.96	10.16	10.36
e	-	2.55	-
e1	-	5.10	-
H1	6.50	6.70	6.90
L	12.70	13.20	13.70
L1	1.60	1.80	2.00
L2 L3	0.80	1.00	1.20
L3	0.60	0.80	1.00
L4	-	1.10	1.50
ΦΡ1(上口)	3.30	3.50	3.70
ΦΡ2(下口)	2.99	3.19	3.39
Q	2.50	2.70	2.90
Θ1		5°	
Θ2		4°	
Θ3		10°	
Θ4		5°	
Θ5		5°	

ITO-220AC(HD)

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Marking Diagram:



Where XXXXX is YYWWL

MUR	= Device Type
F	= Package type
5	= Forward Current (5A)
40	= Reverse Voltage (400V)
SSG	= SSG
YY	= Year
WW	= Week
L	= Lot Number

Cautions: Molding resin Epoxy resin UL:94V-0

Ordering Information:

Device	Package	Shipping	
MURF540	ITO-220AC	EQnos (tubo	
	(Pb-Free)	50pcs / 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}	-	400	V
Average Forward Current	Io _(AV)	50% duty cycle @Tc=86°C, rectangular wave form	5	A
Peak One Cycle Non- Repetitive Surge Current	I _{FSM}	8.3ms, Half Sine pulse	80	А



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Electrical Characteristics:

Characteristics	Symbol	Condition	Max.	Units
Forward Voltage Drop	V _F	@ I _F =5A, Pulse, T _J = 25℃	1.3	V
Reverse Current	I _{R1}	@V _R = rated V _R T _J = 25℃	5	μA
	I _{R2}	@V _R = rated V _R T _J = 150℃	500	μA
Reverse Recovery Time	t _{rr}	I_F =500mA, I_R =1A,and I_{rm} =250mA	40	ns

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

Thermal-Mechanical Specifications:

Characteristics	Symbol	Condition	Specification	Units
Junction Temperature	TJ	-	-55 to +150	°C
Storage Temperature	T _{stg}	-	-55 to +150	°C
Maximum Thermal	R _{0JC}	DC operation	3.5	℃ /W
Resistance Junction to Case				
Approximate Weight	wt	-	1.6	g
Case Style		ITO-220AC		



MICROELECTRONICS

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