TECHNICAL DATA DATA SHEET 854, REV -

TRANSIENT VOLTAGE SUPPRESSOR DIODE

(1500 Watt)

DESCRIPTION: A 55.8 VOLT, 20 MILLIAMP, AXIAL LEAD TRANSIENT VOLTAGE SUPPRESSOR DIODE.

MAX. RATINGS / ELECTRICAL CHARACTERISTICS All ratings are at $T_A = 25^{\circ}$ C unless otherwise specified.

RATING	CONDITIONS	MIN	ТҮР	MAX	UNIT
Breakdown Voltage @ I _{BR}		55.8	-	-	Vdc
Test Current (I _{BR})		-	-	20	mAmps dc
Working Peak Reverse Voltage (W _{RWM})		-	-	47.1	Vdc
Maximum Reverse Current (I _{R1})	$T_A = 25^\circ C$	-	-	5.0	μAmps dc
Maximum Clamp Voltage V _{C (max)}	@ I _P , tp = 1ms 1N6161 1N6161A	-	-	89.3 85.5	Volts (pk)
Maximum Peak Pulse Current (I _P)	1N6161 1N6161A	-	-	16.8 17.6	Amps (pk)
Maximum Temperature Coefficient (V _(BR)		-	-	0.10	%/°C
Maximum Reverse Current (I _R)	@ T _A = 150°C	-	-	400	μAmps dc
Operating and Storage Temp. ($T_{op} \& T_{stg}$)		-55	-	+175	°C

Notes:

 $P_R = 3W$ (for 1,500W peak pulse power devices at

T_A = +25°C.

 $P_R = 5W$ (for 1,500W peak pulse power devices at T_L = +75°C for L = 0.375 inch (9.53mm).

 P_{PR} = 1,500W at t_p = 1ms.

-55°C \leq T $_{op}$ \leq +175°C, -55°C \leq T $_{stg}$ \leq +175°C (ambient temperatures).

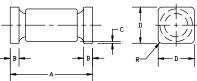
To order surface mount devices (MELFs), add the suffix US to the above listed part numbers.

MECHANICAL DIMENSIONS In Inches / (mm)

AXIAL







R = 0.020 Max

1500 W

PACKAGE	DIMENSIONS - INCHES / MILLIMETERS					
STYLE	φB	φD	G	L		
AXIAL	.036/.042	.135/.185	.140/.195	1.00/1.30		
	.92/1.07	3.43/4.70	3.56/4.95	25.4/33.02		

1500 W						
PACKAGE	DIMENSIONS - INCHES / MILLIMETERS					
STYLE	A	В	С	D		
MELF	.205/.245	.019/.028	.003MIN	.183/.202		
	5.21/6.22	.48/.71	.08MIN	4.65/5.13		

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