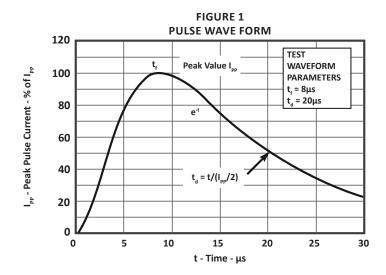
TYPICAL DEVICE CHARACTERISTICS

MAXIMUM RATINGS @ 25°C Unless Otherwise Specified							
PARAMETER	SYMBOL	VALUE	UNITS				
Continuous Power Dissipation	P _{PK}	500	Milliwatts				
Continuous Forward Current (Single Diode)	I _P	400	mA				
Repetitive Peak Forward Current @ tp = 5µs, F = 50kHz	I _{FRM}	700	mA				
Operating Temperature	T _A	-55 to 150	°C				
Storage Temperature	T _{stg}	-55 to 150	°C				

ELECTRICAL CHARACTERISTICS PER LINE @ 25°C Unless Otherwise Specified								
PART NUMBER	REPETITIVE PEAK REVERSE VOLTAGE	MAXIMUM FORWARD PEAK PULSE CURRENT	MAXIMUM FORWARD VOLTAGE	MAXIMUM REVERSE LEAKAGE CURRENT	MAXIMUM CAPACITANCE (Per Diode)			
	@ 10μA V _{RRM} VOLTS	@ 8/20μs Ι _{FM} ΑΜΡS	@ 100mA V _F VOLTS	V _{RRM} @ 40V Ι _R μΑ	@4V, 1MHz C _, pF			
MMAD1108	50	12	1.2	0.1	5			





SO-16 PACKAGE INFORMATION

OUTLINE DIMENSIONS							
DIM	MILLIN	1ETERS	INCHES				
	MIN	MAX	MIN	MAX			
А	9.80	10.00	0.386	0.393			
В	3.80	4.00	0.150	0.157			
С	1.35	1.75	0.054	0.068			
D	0.35	0.49	0.014	0.019			
F	0.40	1.25	0.016	0.049			
G	1.27	BSC	0.05	BSC			
J	0.18	0.25	0.007	0.009			
K	0.10	0.25	0.004	0.008			
Р	5.80	6.20	0.229	0.244			
R	0.25	0.25 0.50		0.019			

NOTES

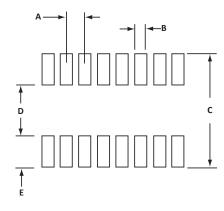
- 1. -T- = Seating plane and datum surface.
- 2. Dimensions "A" and "B" are datum.
- 3. Dimensions "A" and "B" do not include mold protrusion.
- 4. Maximum mold protrusion is 0.015" (0.380mm) per side.
- 5. Dimensioning and tolerances per ANSI Y14.5M, 1982.
- 6. Dimensions are exclusive of mold flash and metal burrs.

-A-	
16 9	
① 8	_B_ P ⊕ 0.010" (0.25mm) ⋈ B ₪ 8 PL
	_ •
G	←
	0° - 10°
-T-	K F-
(+) 0.010" (0.25mm) (M) T B (S) A (S) 16 PL	r /

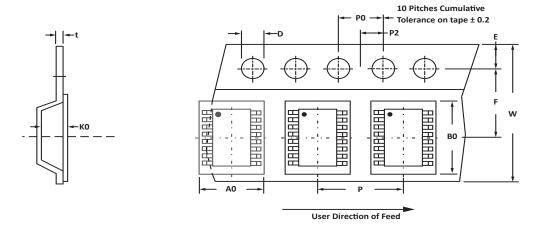
PAD LAYOUT DIMENSIONS							
DIM	MILLIN	METERS	INCHES				
	MIN	MAX	MIN	MAX			
А	1.14	1.40	0.045	0.055			
В	0.64	0.89	0.025	0.035			
С	6.22	-	0.245	-			
D	3.94	4.17	0.155	0.165			
Е	1.02	1.27	0.040	0.050			

NOTES

1. Controlling dimension: inches.



TAPE AND REEL



SPECIFICATIONS												
REEL DIA.	TAPE WIDTH	A0	В0	ко	D	E	F	w	P0	P2	Р	tmax
178mm (7")	16mm	6.50 ± 0.10	10.30 ± 0.10	2.10 ± 0.10	1.50 ± 0.10	1.75 ± 0.10	3.50 ± 0.05	16.00 ± 0.30	4.00 ± 0.12	2.00 ± 0.10	8.00 ± 0.10	0.25

NOTES

- 1. Dimensions are in millimeters.
- 2. Surface mount product is taped and reeled in accordance with EIA-481.
- 3. Suffix T7 = 7" Reel 1,000 pieces per 16mm tape.
- 4. Suffix T13 = 13" Reel 2,500 pieces per 16mm tape.
- 5. Bulk product shipped in tubes of 48 pieces per tube.
- 6. Marking on Part part number, date code, logo and pin one defined by dot on top of package.

BASE PART NUMBER	LEADFREE SUFFIX	REEL SIZE	TUBE QTY				
MMAD1108	-LF	-T7	1,000	7"	48		
MMAD1108	-LF	-T13	2,500	13"	48		
This device is only available in a Lead-Free configuration.							



COMPANY INFORMATION

COMPANY PROFILE

In business more than 25 years, ProTek Devices™ is a privately held semiconductor company. The company offers a product line of overvoltage protection and overcurrent protection components. These include transient voltage suppressor array (TVS arrays) avalanche breakdown diode, steering diode TVS array and electronics SMD chip fuses. These components deliver circuit protection in electronic systems from numerous overvoltage and overcurrent events. They include lightning; electrostatic discharge (ESD); nuclear electromagnetic pulses (NEMP); inductive switching; and electromagnetic interference (EMI) / radio frequency interference (RFI). ProTek Devices also offers LED wafer die for ESD protection and related high frequency products. ProTek Devices is ISO 9001:2015 certified.

CONTACT US

Corporate Headquarters

2929 South Fair Lane Tempe, Arizona 85282 USA

By Telephone

General: 602-431-8101

Sales: & Marketing: 602-414-5109 Customer Service: 602-414-5114 Product Technical Support: 602-414-5107

By Fax

General: 602-431-2288

By E-mail:

Asia Sales: asiasales@protekdevices.com
Europe Sales: europesales@protekdevices.com
U.S. Sales: ussales@protekdevices.com
Distributor Sales: distysales@protekdevices.com

Customer Service: service@protekdevices.com
Technical Support: support@protekdevices.com

ProTek Devices (Asia Pacific) Pte. Ltd.

8 Ubi Road 2, #06-19

Zervex

Singapore - 408538 Tel: +65-67488312 Fax: +65-67488313

Web

www.protekdevices.com

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