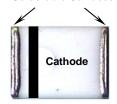
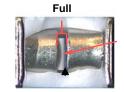


MADP-000638-10910T

MELF PIN Diode

Solderable Surfaces





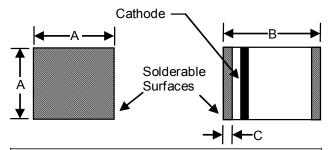
Passivated PIN Chip

Diode Cross Section

Absolute Maximum Ratings¹ @ 25°C

Parameter	Absolute Maximum	
Operating Temperature	-65°C to +125°C	
Storage Temperature	-65°C to +150°C	
Diode Junction Temperature	+175°C Continuous	
Diode Mounting Temperature	+265°C /10 seconds	
Reverse D.C. Voltage @ -10μA	- 500V	

 Exceeding these limits may cause permanent damage.

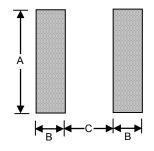


Case Style 1091 Dimensions in Inches (mm)			
A Square	B	C	
Min. / Max.	Min. / Max.	Min. / Max.	
0.138 / 0.155	0.180 / 0.200	0.008 / 0.030	
(3.50/ 3.94)	(4.57/ 5.08)	(.203 / .762)	

Electrical Specifications @ T_{AMB} = +25°C

Symbol	Units	Conditions	Min.	Max.
C _T	pF	1 MHz / 100V	-	2.2
Rs	Ω	100 MHz / 100mA	-	0.30
R _P	Ω	100 MHz / 100V	20K	-
V_{F}	V	+100mA		1.0
I _R	μA	-500	-	10
T _L	μS	I _{F 10mA} /I _{R 6mA}	6	-

Circuit Pad Layout



Dimension	Package Style 1091		
	inches	mm	
Α	0.150	3.81	
В	0.050	1.27	
С	0.100	2.54	

Ordering Information

Part Number	Package
MADP-000638-10910T	Tape and Reel (500pcs/reel)

ADVANCED: Data Sheets contain information regarding a product M/A-COM Technology Solutions is considering for development. Performance is based on target specifications, simulated results, and/or prototype measurements. Commitment to develop is not guaranteed.

PRELIMINARY: Data Sheets contain information regarding a product M/A-COM Technology

PRELIMINARY: Data Sheets contain information regarding a product M/A-COM Technology Solutions has under development. Performance is based on engineering tests. Specifications are typical. Mechanical outline has been fixed. Engineering samples and/or test data may be available. Commitment to produce in volume is not guaranteed.

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