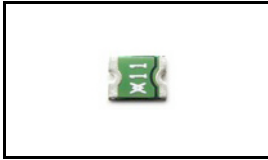


MICROSMD110F-2 Product Details

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MICROSMD110F-2

TE Internal Number:
RF1355-000
[Active](#)

PolySwitch Resettable Devices

[Always EU RoHS/ELV Compliant \(Statement of Compliance\)](#)

Product Highlights:

- Surface Mount Application
- Vmax Operating = 6 V
- Vmax = 6 V
- Imax = 40 A
- Family Name = microSMD

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- None Available

Catalog Pages/Data Sheets:

- [CP CATALOG 2011 - SURFACE-MOUNT](#) (PDF, English)

Product Specifications:

- [microSMD110F](#) (PDF, English)

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files:

- None Available

[List all Documents](#)

Related Products:

- [Tooling](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- [Family Name](#) = microSMD
- UL File Number = E74889
- CSA File Number = CA78165

Electrical Characteristics:

- [Vmax Operating \(V\)](#) = 6
- Vmax (V) = 6
- Imax (A) = 40
- [IH \(Room Temperature\) \(A\)](#) = 1.1
- [IT \(Room Temperature\) \(A\)](#) = 2.20
- [Rmin \(Ω\)](#) = 0.07
- [R1 Max \[Post Trip\] \(Ω\)](#) = 0.21
- Power Dissipation (Max) (W) = 0.8

Termination Features:

- Construction = Surface Mount

Configuration Features:

- [Form Factor \(inches\)](#) = 1210

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Reflow solder capable to 245°C, Reflow solder capable to 260°C
- RoHS/ELV Compliance History = Always was RoHS compliant
- TUV Certificate No. = R72111045

Environmental:

- [Operating Temperature \(Max.\) \(°C\)](#) = 85

Operation/Application:

- Application = Surface Mount

Packaging Features:

- Packaging Method = Tape & Reel

Other:

- Brand = Raychem

- [Form Factor \(mm\) = 3225](#)

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Specification Status: Released

Maximum Electrical Rating

Voltage: 6V_{DC}

Short Circuit Current: 40A

Notes:

1. All terminations are tin plated.
2. Drawing not to scale

Marking:



PART IDENTIFICATION

MANUFACTURER'S MARK

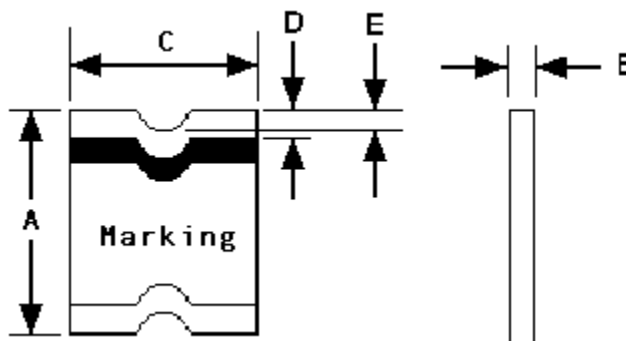


TABLE I. DIMENSIONS:

	A		B		C		D		E
mm:	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
in:	3.00	3.43	0.28	0.48	2.35	2.80	0.25	0.75	0.076
	(0.118)	(0.135)	(0.011)	(0.019)	(0.092)	(0.110)	(0.010)	(0.030)	(0.003)

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**
AMPERES AT 0°C		AMPERES AT 20°C		AMPERES AT 60°C		SECONDS AT 20°C, 8A MAX	OHMS AT 20°C		WATTS AT 20°C, 6V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
1.26	2.52	1.10	2.20	0.80	1.60	0.2	0.07	0.21	0.8

*Maximum resistance is measured 1 hour after reflow.

** Values specified were determined using PCB's with 0.030"X1.5 ounce copper traces.

Agency Recognition: UL, CSA, TÜV

Reference Documents: PS300

Precedence: This specification takes precedence over documents referenced herein.

Effectivity: Reference documents shall be the issue in effect on the date of invitation for bid.

CAUTION: Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

Materials Information

ROHS Compliant

Directive 2002/95/EC
Compliant

ELV Compliant

Directive 2000/53/EC
Compliant

Pb-Free



Halogen Free*



* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm