

Specification Status: PRIMARY

Maximum Electrical Rating
Voltage: 16VDC
Short Circuit Current: 40A

Notes:

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

Marking:

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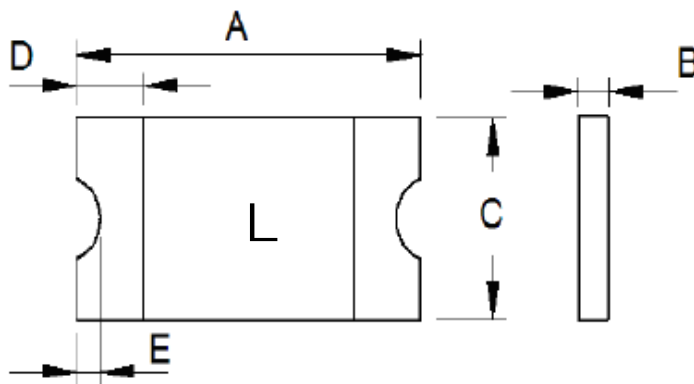


TABLE I. DIMENSIONS:

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	2.00	2.20	0.40	0.80	1.30	1.50	0.25	0.75	0.076
in:	(0.079)	(0.087)	(0.016)	(0.031)	(0.051)	(0.059)	(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 25°C		AMPERES AT 60°C		SECONDS AT 25°C, 2.5A MAX	OHMS AT 25°C		WATTS AT 25°C, 16V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
0.115	0.65	0.1	0.6	0.078	0.40	1.5	1.0	10	1.0

* Resistance is measured 1 hour after reflow.

** Values specified were determined using PCB's with 0.020"x1.5 copper traces.

TABLE III. Thermal Derating Chart - Ihold (Amps):

Model	Ambient Operating Temperature									
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C	125°C
picoASMDCH010F	0.15	0.13	0.115	0.10	0.09	0.084	0.078	0.072	0.063	0.04



Expertise Applied | Answers Delivered

PolySwitch® PTC Devices Overcurrent Protection Device

PRODUCT: picoASMDCH010F

DOCUMENT:
REV LETTER: 1
REV DATE: DEC. 07, 2018
PAGE NO.: 2 OF 2

Reference Document: 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.

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