



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Specification Status: Released

Max Electrical Rating at 20°C
 Operating Voltage: 60V_{DC}
 Fault Voltage: 250V_{RMS}
 Interrupt Current: 3A_{RMS}

Marking:

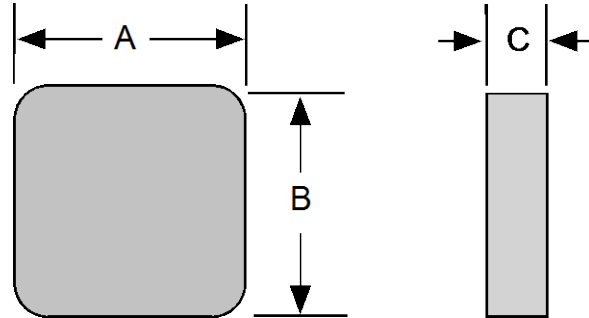
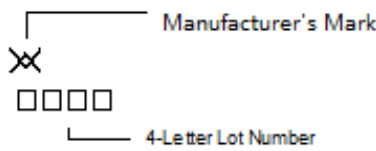


TABLE I. DIMENSIONS:

	A		B		C	
	MIN	MAX	MIN	MAX	MIN	MAX
mm:	5.4	5.6	5.4	5.6	2.0	2.3
in:	(0.213)	(0.221)	(0.213)	(0.221)	(0.079)	(0.091)

TABLE II. PERFORMANCE RATINGS @ 20°C (unless otherwise noted):

IHOLD (A)**		RESISTANCE (Ω)			TIME TO TRIP (s) @ 1A		OPERATING TEMPERATURE (°C)	
20°C	40°C	R MIN	R MAX	R _{1 MAX} *	TYP	MAX	MIN	MAX
0.120	--	5.0	9.0	14.0	0.9	1.5	-40	85

* Maximum device resistance at 20°C measured 1 hour post trip.
 ** Dependent on Heat Sinking of Mounting Fixture.

Additional Ratings @ 20°C

Lightning Withstand ITU AT 1.5kV

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



ELV Compliant



Pb-Free



PolySwitch[®]
PTC Devices
Overcurrent Protection Device

PRODUCT: TCF250-120

DOCUMENT: SCD25318
REV LETTER: G
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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