

Specification Status: Released

Maximum Electrical Rating

Voltage: 6V_{DC}
Short Circuit Current: 10A

Notes:

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

Marking:

H05 ——— Part Identification

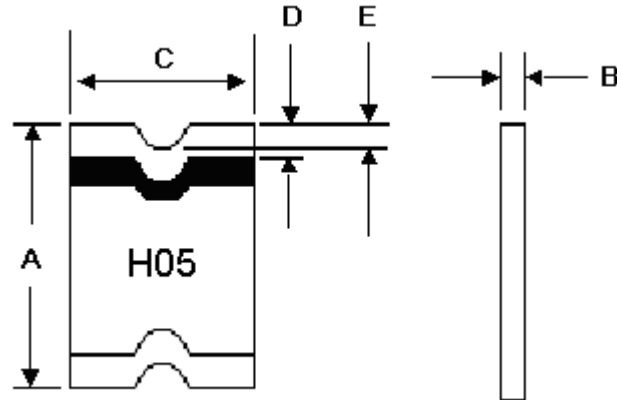


TABLE I. DIMENSIONS:

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	3.00	3.43	0.24	0.64	2.35	2.80	0.25	0.75	0.076
in:	(0.118)	(0.135)	(0.009)	(0.025)	(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 25°C		AMPERES AT 85°C		SECONDS AT 25°C, 8A MAX	OHMS AT 25°C		WATTS AT 25°C, 6V MAX
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX*	
0.75	2.25	0.50	1.50	0.35	1.10	0.05	0.19	0.90	1.1

*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: None
 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



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PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: microSMDCH050F

DOCUMENT: SCD27505
REV LETTER: C
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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