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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: microSMDCH050F

DOCUMENT: SCD27505

REV LETTER: C REV DATE: MAY 10. 2011

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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

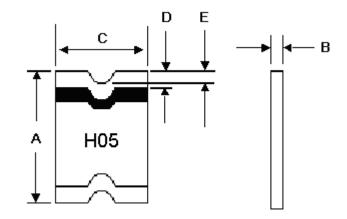


TABLE I. DIMENSIONS:

	Α		В		С		D		Е
	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**		
AMPE	RES	AMPE	ERES	AMPERES		SECONDS	OHMS		WATTS AT		
AT 0°C		AT 25°C		AT 85°C		AT 25°C, 8A	AT 25°C		25°C, 6V		
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	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.

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*



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

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