

Tyco / Electronics
Raychem Circuit Protection
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PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: decaSMDC050F/60

DOCUMENT: SCD 25834
 PCN: D61614
 REV LETTER: C
 REV DATE: DECEMBER 20, 2004
 PAGE NO.: 1 OF 1

Specification Status: Released


Maximum Electrical Rating

Voltage: 60V_{DC}
Short Circuit Current: 10A

Notes:

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

Marking:

 **050F**
60V

— PART IDENTIFICATION

— MANUFACTURER'S MARK

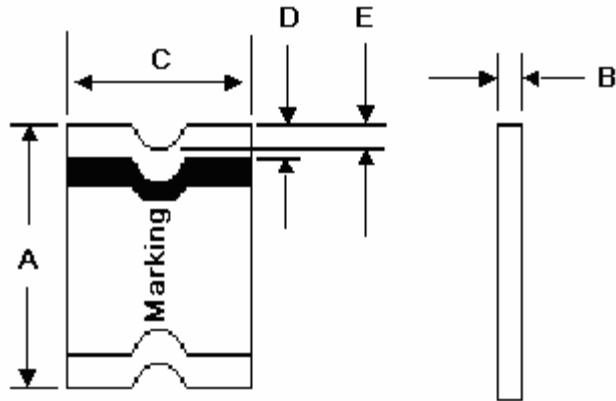


TABLE I. DIMENSIONS:

		A		B		C		D		E	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:		4.70	5.31	0.63	0.89	4.19	4.81	0.25	0.95	0.25	--
in:		(0.185)	(0.209)	(0.025)	(0.035)	(0.165)	(0.189)	(0.010)	(0.040)	(0.010)	--

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	OHMS AT 20°C		WATTS AT 20°C, 60V
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX
0.70	1.40	0.55	1.10	0.35	0.70	0.1	0.40	1.1	1.0

* Maximum resistance is measured 1 hour after reflow

** Values Specified were determined using PCB's with 0.070"X1.5 ounce copper traces.

Agency Recognition: UL, CSA, TÜV
 Reference Documents: PS300, E. N. SMD1.0x.
 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

