

Tyco / Electronics
Raychem Circuit Protection
 308 Constitution Drive
 Menlo Park, CA 94025
 Phone: 800-227-4856
 Fax: 800-227-4866

PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: RHEF650

DOCUMENT: SCD 25207
 PCN: F67051
 REV LETTER: B
 REV DATE: OCTOBER 5, 2004
 PAGE NO.: 1 OF 1

Specification Status: RELEASED

Electrical Rating

Voltage: 16V MAX

Current: 100A MAX

Insulating Material:

Cured, Flame Retardant Epoxy Polymer
 meets UL94 V-0 Requirements

Lead Material:

20 AWG Tin Plated Copper
 (0.8 mm [0.032] nom. diameter)

Marking:

Raychem Logo
 and Voltage
 X 16
 HF6.5 — Part Identification
 □ □ □ □ — Lot Identification
 (can be on back)

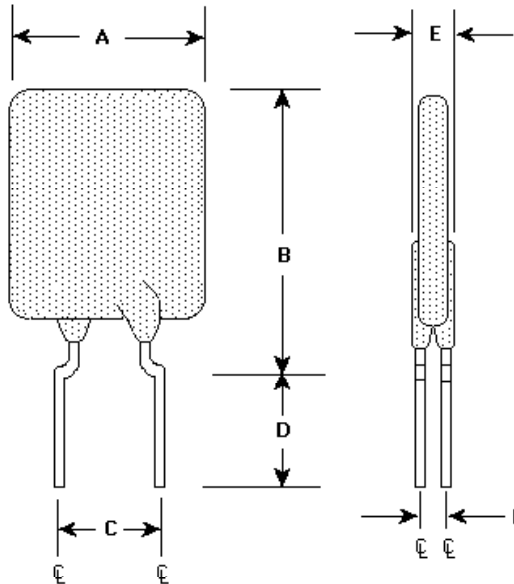


TABLE I. DIMENSIONS:

	A		B		C		D		E		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:	--	12.7	--	22.2	4.3	5.8	7.6	--	--	3.0	1.2
in*:	--	(0.50)	--	(0.88)	(0.17)	(0.23)	(0.30)	--	--	(0.12)	(0.05)

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD RATED CURRENT	CURRENT RATINGS		TIME TO TRIP	INITIAL RESISTANCE VALUES		ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP	NOMINAL TRIPPED POWER DISSIPATION
AMPS AT 25°C	AMPS AT 25°C		SECONDS AT 25°C, 32.5A MAX	OHMS AT 25°C		OHMS AT 25°C	WATTS AT 25°C 16V
HOLD	HOLD	TRIP		MIN	MAX	MAX	TYP
6.5	6.5	12.0	5.5	0.011	0.0175	0.026	4.1

Agency Recognitions:
 Reference Documents:
 Precedence:
 Effectivity:
 CAUTION:

UL, CSA, TUV
 PS300
 This specification takes precedence over documents referenced herein.
 Reference documents shall be the issue in effect on the date of invitation for bid.
 Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

Materials Information

ROHS Compliant

ELV Compliant

Pb-Free

Directive 2002/95/EC
 Compliant

Directive 2000/53/EC
 Compliant

