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# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

Raychem Circuit Protection Products

**PRODUCT: RUEF110** 

DOCUMENT: SCD 25170 PCN: F43372

REV LETTER: D REV DATE: APRIL 24, 2007

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## **Specification Status: Released**

### Maximum Electrical Rating at 20°C

 $30 V_{DC} / 100 A_{DC}$  $30 V_{AC} / 70 A_{RMS}$ 

Insulating Material:

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

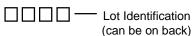
Lead Material:

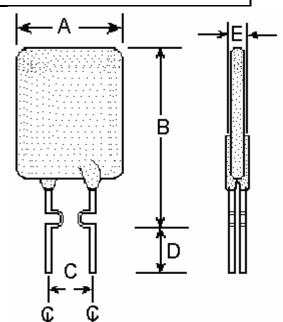
24 AWG Tin Plated Copper Clad Steel

Marking:

Raychem Logo and Voltage

UF110 — Part Identification





#### **TABLE I. DIMENSIONS:**

	Α		В		С		D		Е	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:		7.4		14.2	4.3	5.8	7.6			3.0
in*:		(0.29)		(0.56)	(0.17)	(0.23)	(0.30)			(0.12)

<sup>\*</sup>Rounded off approximation

#### **TABLE II. PERFORMANCE RATINGS:**

I HOLD		RENT INGS	TIME TO TRIP	RESIS1	TANCE	ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP	NOMINAL TRIPPED POWER DISSIPATION
AMPS	AMPS AT		SECONDS AT	OHMS		OHMS	WATTS AT
20°C	20°C		20°C, 5.5A	AT 20°C		AT 20°C	20°C
HOLD	HOLD	TRIP	MAX	MIN	MAX	MAX	
1.10	1.10	2.20	6.6	0.07	0.10	0.17	0.7

Agency Recognitions: UL, CSA, TUV 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

Directive 2002/95/EC Compliant Directive 2000/53/EC Compliant



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