

## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

**PRODUCT: RXEF250** 

DOCUMENT: SCD25227 REV LETTER: G

REV DATE: JULY 26, 2016

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### **Specification Status: Released**

**Electrical Rating** 

Voltage: 72 V max (AC or DC) Current: 40 A max (AC or DC)

**Insulating Material:** 

**Cured, Flame Retardant Epoxy** 

Polymer

meets UL94 V-0 Requirements

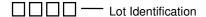
**Lead Material:** 

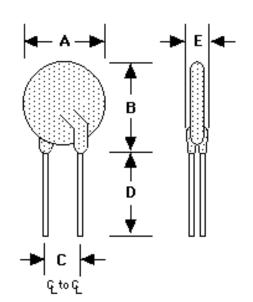
20 AWG Tin Plated Copper

Marking:

Manufacturer's Mark

XX250 and Part Identification





#### TABLE L DIMENSIONS:

_	TABLE I. DIVILINGIONS.											
	Α		В		С		D		E			
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX		
		20.8		25.4	9.4	10.9	7.6			3.0		
mm:												
		(0.82)		(1.00)	(0.37)	(0.43)	(0.30)			(0.12)		
in*:												

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

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

I HOLD	CURRENT		INITIAL		TIME TO TRIP	ONE HOUR	TRIPPED- STATE							
RATED	RATINGS		RESISTANCE			POST-TRIP	POWER DISSIPATION							
CURRENT			VALUES			RESISTANCE								
	ļ ļ				STANDARD TRIP									
AMPERES	AMPERES		OHMS		SECONDS AT	OHMS	WATTS	WATTS						
AT 20°C	AT 20°C		AT 20°C		20°C, 12.5A	AT 20°C	AT 20°C	AT 20°C						
HOLD	HOLD	TRIP	MIN	MAX	MAX	MAX	NOMINAL	MAX						
2.50	2.50	5.00	0.05	80.0	15.6	0.13	2.5	3.38						

Agency Recognitions UL, CSA, TUV, CQC

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 Halogen Free\*

Directive 2002/95/EC Compliant

Directive 2000/53/EC Compliant



HF

<sup>\*</sup> Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.



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