

308 Constitution Drive Menlo Park, CA USA www.circuitprotection.com

## **PolySwitch® PTC Devices**

**Overcurrent Protection Device** 

**PRODUCT: RKEF250** 

DOCUMENT: SCD26929 **REV LETTER: E** 

REV DATE: MARCH 14, 2013

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# **Specification Status: Released**

**Electrical Rating** Voltage: 60V MAX Current: 40A MAX

Insulating Material:

Cured, Flame Retardant Epoxy Polymer

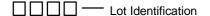
Lead Material:

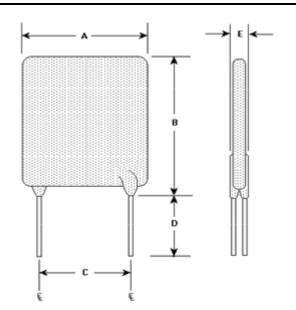
20 AWG Tin Plated Copper

Marking:

· Manufacturer's Mark

XX K250 and Part Identification





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

	Α		В		С		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:		14.0		20.6	4.3	5.8	7.6			3.0
in*:		(0.55)		(0.81)	(0.17)	(0.23)	(0.3)			(0.12)

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

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

I HOLD	CURRENT		INITIAL		TIME TO TRIP	ONE HOUR	TRIPPED-
RATED	RATED RATINGS		RESISTANCE			POST-TRIP	STATE
CURRENT	•		VALUES			RESISTANCE	POWER
						STANDARD	DISSIPATION
						TRIP	
AMPERES	AMPERES		OHMS		SECONDS AT	OHMS	WATTS
AT 20°C	0°C AT 20°C		AT 20°C		20°C, 12.5A	AT 20°C	AT 20°C
HOLD	HOLD	TRIP	MIN	MAX	MAX	MAX	NOMINAL
2.50	2.50	5.00	0.04	0.085	15.6	0.14	2.8

Agency Recognitions:

UL, TUV, CSA

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





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