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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT : RKEF185

DOCUMENT : SCD26920
REV LETTER: E
REV DATE: JULY 26, 2016

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 K185 and Part Identification
□□□□ — Lot Identification

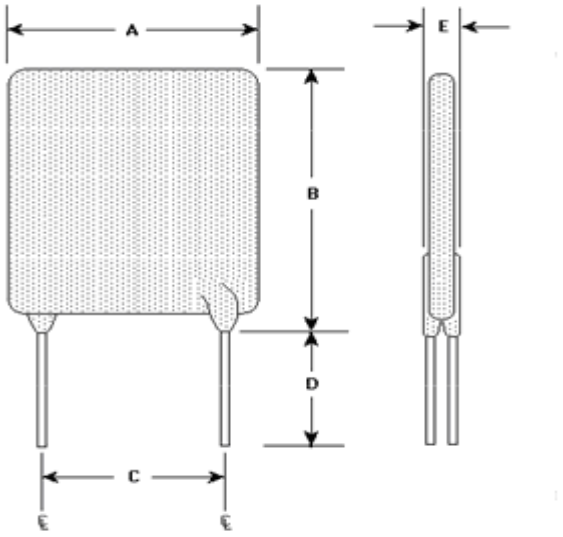

TABLE I. DIMENSIONS:

	A		B		C		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	--	13.0	---	18.8	4.32	5.84	7.6	---	---	3.81
in*:	--	(0.51)	---	(0.74)	(0.17)	(0.23)	(0.3)	---	---	(0.15)

***Rounded off approximation**

TABLE II. PERFORMANCE RATINGS:

I HOLD RATED CURRENT	CURRENT RATINGS		INITIAL RESISTANCE VALUES		TIME TO TRIP	ONE HOUR POST-TRIP RESISTANCE STANDARD TRIP	TRIPPED-STATE POWER DISSIPATION
AMPERES AT 20°C	AMPERES AT 20°C		OHMS AT 20°C		SECONDS AT 20°C, 9.25A	OHMS AT 20°C	WATTS AT 20°C
HOLD	HOLD	TRIP	MIN	MAX	MAX	MAX	NOMINAL
1.85	1.85	3.70	0.06	0.152	12.6	0.25	2.6

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 — Directive 2002/95/EC Compliant

ELV Compliant — Directive 2000/53/EC Compliant

Pb-Free

Halogen Free*

HF

* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.

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Specifications are subject to change without notice.
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