

308 Constitution Drive Menlo Park, CA 94025-1164 Phone: 800-227-4856 www.circuitprotection.com

PolySwitch® PTC Devices

Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: RKEF185

DOCUMENT: SCD26920

PCN: RF0855 **REV LETTER: B**

REV DATE: JULY 22, 2008

PAGE NO.: 1 OF 1

Specification Status: Released

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

Insulating Material:

Cured, Flame Retardant Epoxy Polymer

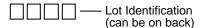
Lead Material:

20 AWG Tin Plated Copper

Marking:

Manufacturer's Mark and Voltage

Part Identification KF185



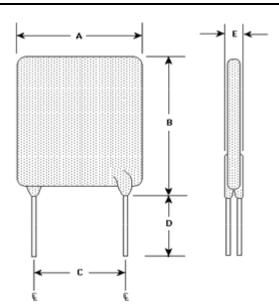


TABLE I. DIMENSIONS:

	Α		В		С		D		Е	
	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	I HOLD CURRENT		INITIAL		TIME TO TRIP	ONE HOUR	TRIPPED-
RATED	RATED RATINGS		RESISTANCE			POST-TRIP	STATE
CURRENT	CURRENT		VALUES			RESISTANCE	POWER
						STANDARD	DISSIPATION
						TRIP	
AMPERES	AMPERES		OHMS		SECONDS AT	OHMS	WATTS
AT 20°C	AT 20°C		AT 20°C		20°C, 9.25A	AT 20°C	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

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



© 2008 Tyco Electronics Corporation. All rights reserved.