

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RHEF650

DOCUMENT: SCD25207

REV LETTER: E

REV DATE: JULY 26, 2016

PAGE NO.: 1 OF 2

Specification Status: Released

Voltage: 16V MAX
Current: 100A MAX

Insulating Material:

Cured, Flame Retardant Epoxy

Polymer

meets UL94 V-0 Requirements

Lead Material:

20 AWG Tin Plated Copper (0.8 mm [0.032] nom. diameter)

Marking:

Manufacturer's Mark

MH6.5 and Part Identification



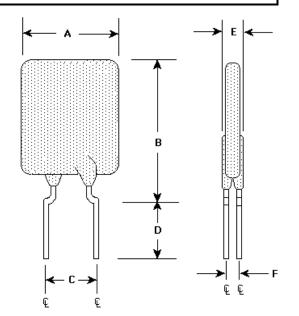


TABLE I. DIMENSIONS:

	Α		В		С		D		E		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:		12.7		22.2	4.3	5.8	7.6			3.0	1.2
in*:		(0.50)		(0.88)	(0.17)	(0.23)	(0.30)			(0.12)	(0.05)

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD	I HOLD CURRENT		TIME TO	INITIAL		ONE-HOUR	NOMINAL
RATED	TED RATINGS		TRIP	RESIST	ANCE	POST-TRIP	TRIPPED POWER
CURRENT	CURRENT			VALUES		RESISTANCE	DISSIPATION
						STANDARD TRIP	
AMPS	AMPS AMPS AT		SECONDS AT	OHMS		OHMS	WATTS AT
AT 25°C	25°C		25°C, 32.5A	AT 25°C		AT 25°C	25°C 16V
HOLD	HOLD	TRIP	MAX	MIN	MAX	MAX	TYP
6.5	6.5	12.0	5.5	0.011	0.0175	0.026	4.1

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 Halogen Free*

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





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



PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RHEF650

DOCUMENT: SCD25207

REV LETTER: E

REV DATE: JULY 26, 2016

PAGE NO.: 2 OF 2

Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and shall not be used for, any purpose (including, without limitation, military, aerospace, medical, lifesaving, life-sustaining or nuclear facility applications, devices intended for surgical implant into the body, or any other application in which the failure or lack of desired operation of the product may result in personal injury, death, or property damage) other than those expressly set forth in applicable Littelfuse product documentation. Warranties granted by Littelfuse shall be deemed void for products used for any purpose not expressly set forth in applicable Littelfuse documentation. Littelfuse shall not be liable for any claims or damages arising out of products used in applications not expressly intended by Littelfuse as set forth in applicable Littelfuse documentation. The sale and use of Littelfuse products is subject to Littelfuse Terms and Conditions of Sale, unless otherwise agreed by Littelfuse.