

Specification Status: Released
Maximum Electrical Rating at 20°C

30 Vdc /100 A dc

 30 VAC /70 A_{RMS}
Insulating Material:

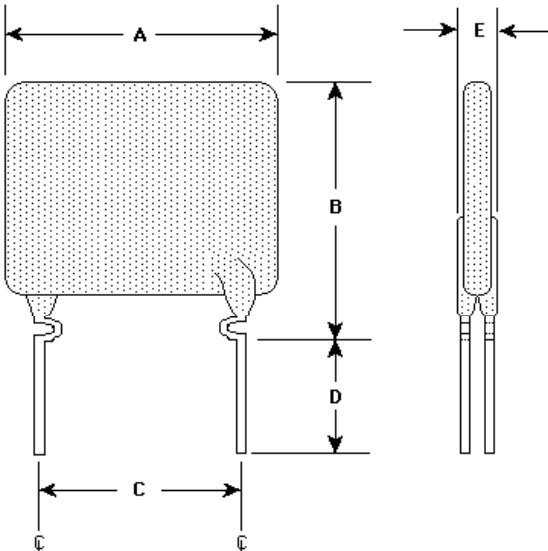
 Cured, Flame Retardant Epoxy Polymer
 meets UL94 V-0 Requirements

Lead Material:

20 AWG Tin Plated Copper

Marking:
 Manufacturer's Mark

 XX U500 and Part Identification

 Lot Identification

TABLE I. DIMENSIONS:

	A MIN		B MAX		C MIN		D MAX		E MIN		E MAX	
mm:	--	14.0	--	25.6	9.4	10.9	7.6	--	--	--	3.0	
in*:	--	(0.55)	--	(1.01)	(0.37)	(0.43)	(0.30)	--	--	--	(0.12)	

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD	CURRENT RATING		TIME TO TRIP	RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP	TRIPPED POWER DISSIPATION	
AMPS 20°C HOLD	AMPS AT 20°C HOLD		SECONDS AT 20°C, 25.0A MAX	OHMS AT 20.0° C MIN		OHMS AT 20°C	WATTS AT 20°C NOMINAL	
5.00	5.00		10.00	0.01		0.05	3.00	
14.5				0.03			3.23	

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: RUEF500K

DOCUMENT: SCD25822

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.