Littelfuse®
Expertise Applied | Answers Delivered

**PolySwitch®
PTC Devices**
Overcurrent Protection Device

PRODUCT: RGEF300

DOCUMENT: SCD25192
REV LETTER: E
REV DATE: JULY 26, 2016
PAGE NO.: 1 OF 2

Specification Status: Released

Electrical Rating
Voltage: 16V MAX
Current: 100A MAX

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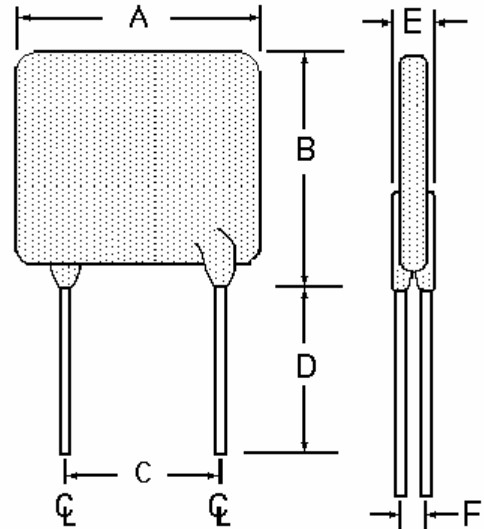   Cured, Flame Retardant Epoxy Polymer
   meets UL94 V-0 Requirements

Lead Material:
   20 AWG Tin Plated Copper
   (0.81mm [0.032] nom. diameter)

Marking:
   Manufacturer's Mark
   XX G3   and Part Identification

   ▢▢▢▢ — Lot Identification

TABLE I. DIMENSIONS:

	A		B		C		D		E		F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP
mm:	6.1	7.1	6.1	11.0	4.3	5.8	7.6	-	2.0	3.0	1.2
in*:	(0.24)	(0.28)	(0.24)	(0.43)	(0.17)	(0.23)	(0.30)	-	(0.08)	(0.12)	(0.05)

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS :

I HOLD RATED CURRENT	CURRENT RATINGS		INITIAL RESISTANCE VALUES		TIME TO TRIP	$R_{1\ MAX}$ 1 HR. POST TRIP RESISTANCE STANDARD TRIP	TRIPPED-STATE POWER DISSIPATION
AMPS AT 25°C HOLD	AMPS AT 25°C		OHMS AT 25°C		SECONDS AT 25°C, 15A	OHMS AT 25°C	WATTS AT 25°C
	HOLD	TRIP	MIN	MAX	MAX	MAX	TYP
3.0	3.0	5.1	0.0380	0.0650	1.0	0.0975	2.3

Recognition: UL, CSA, TUV recognized.
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   (Pb)   **HF**

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

PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: RGEF300

DOCUMENT: SCD25192
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.