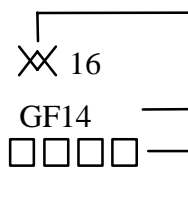


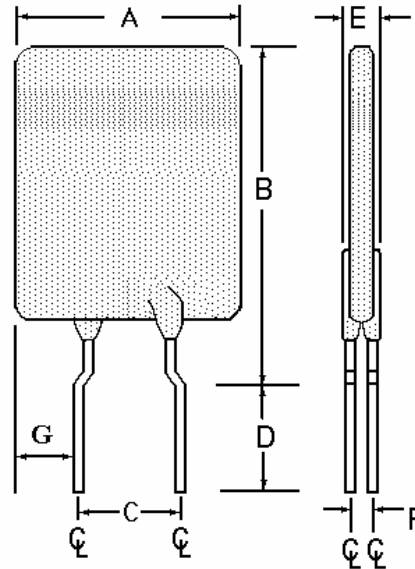
**Specification Status: RELEASED**

**Electrical Rating**  
**Voltage: 16V<sub>DC</sub> MAX**

Insulating Material:  
 Cured, Flame Retardant Epoxy Polymer

Lead Material:  
 18 AWG Tin Plated Copper  
 ( 1.0 mm [0.040] nom. diameter)

Part Marking:  

 Raychem Logo and Voltage  
 XX 16  
 GF14 — Part Identification  
 □□□□ — Lot Identification (can be on back)



**TABLE I. INSTALLATION ENVELOPE DIMENSIONS:**

	A		B		C		D		E		F	G	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	TYP	MIN	MAX
mm:	--	23.5	--	28.7	9.4	10.9	7.6	--	--	3.5	1.4	--	7.82
in*:	--	(0.925)	--	(1.13)	(0.37)	(0.43)	(0.30)	--	--	(0.14)	(0.06)	--	(0.308)

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

CURRENT RATINGS			TIME TO TRIP	INITIAL RESISTANCE		R <sub>1</sub> MAX 1 HR. POST TRIP RESISTANCE STANDARD TRIP	R <sub>A</sub> MAX	TRIPPED-STATE POWER DISSIPATION
HOLD AT R <sub>1</sub> MAX	HOLD AT R <sub>A</sub> MAX	TRIP	SECONDS AT 25°C, 70 A MAX	OHMS AT 25°C MIN   MAX		OHMS AT 25°C	OHMS AT 25°C	WATTS AT 25°C TYP
14.0	13.0	27.3	9.0	0.0022	0.0043	0.0064	0.0067	4.6

Reference Documents:  
 Precedence:  
 Effectivity:  
 CAUTION:

PS400, PS300 (reference for R<sub>1</sub> MAX)  
 This specification takes precedence over documents referenced herein.  
 Reference documents shall be the issue in effect on the date of invitation for bid.  
 Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

**Materials Information**

ROHS Compliant

ELV Compliant

Pb-Free



**Tyco / Electronics**  
**Raychem Circuit Protection**  
308 Constitution Drive  
Menlo Park, CA 94025-1164  
Phone: 800-227-4856  
Fax: 800-227-4866

**PolySwitch®**  
**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT: AGRF1400**

DOCUMENT: SCD 25240  
PCN: C62521  
REV LETTER: B  
REV DATE: OCTOBER 28, 2004  
PAGE NO.: 2 OF 2

**TABLE III. AUTOMOTIVE SPECIFIC STRESS TESTS AND TEST CONDITIONS:**

ELECTRICAL STRESS TESTS	TEST CONDITIONS (see note 2)
ESD Voltage Withstand (see note 1)	25kV
Short Circuit Fault Current Durability	25 cycles, 16V, 200A
Fault Current Durability	350 cycles, 16V/100A
End-of-life Mode Verification	1750 cycles, 16V/100A
Jump Start Endurance (see note 1)	3 cycles, 26V, 1 minute duration
Load Dump Endurance (see note 1)	10 cycles, 86.5V

Note 1: The PolySwitch devices are tested in series with a load resistance and the voltages specified in the test conditions are shared between the PolySwitch device and the load resistance as specified in PS400.

Note 2: Please refer to Appendix A of PS400 for the detailed test procedures