




Specification Status: RELEASED

Electrical Rating
Voltage: 16V_{DC} 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
-  Part Identification
-  Lot Identification (can be on back)

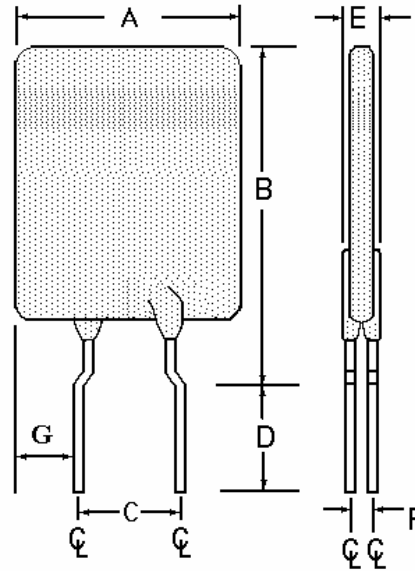


TABLE I. INSTALLATION ENVELOPE DIMENSIONS:

	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 ₁ MAX 1 HR. POST TRIP RESISTANCE STANDARD TRIP	R _A MAX	TRIPPED-STATE POWER DISSIPATION
HOLD AT R ₁ MAX	HOLD AT R _A 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: PS400, PS300 (reference for R₁ MAX)
 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



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
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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