

Specification Status: RELEASED

Electrical Rating
Voltage: 16V_{DC} MAX
Insulating Material:

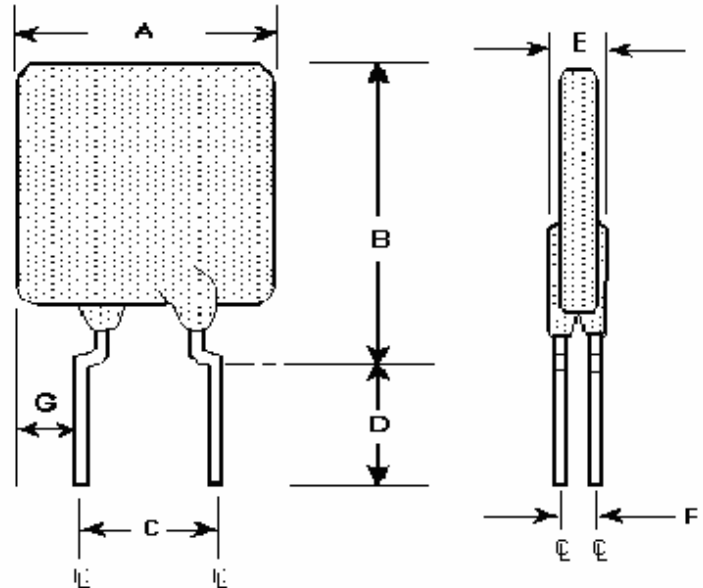
Cured, Flame Retardant Epoxy Polymer

Lead Material:

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

Part Marking:

- Manufacturer's Mark 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:	--	14.0	--	23.0	4.3	5.8	7.6	--	--	3.0	1.2	--	5.69
in*:	--	(0.55)	--	(0.91)	(0.17)	(0.23)	(0.30)	--	--	(0.12)	(0.05)	--	(0.22)

*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, 45 A MAX	OHMS AT 25°C MIN MAX		OHMS AT 25°C	OHMS AT 25°C	WATTS AT 25°C TYP
9.0	8.6	16.5	6.0	0.0041	0.0091	0.0135	0.0140	3.4

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

 Directive 2002/95/EC
Compliant

 Directive 2000/53/EC
Compliant




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PolySwitch®
PTC Devices
Overcurrent Protection Device

Raychem Circuit Protection Products

PRODUCT: AGRF900

DOCUMENT: SCD 25236
PCN: E57345
REV LETTER: C
REV DATE: OCTOBER 24, 2007
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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