

**Tyco / Electronics**  
**Raychem Circuit Protection**  
 308 Constitution Drive  
 Menlo Park, CA 94025-1164  
 Phone: 800-227-4856  
 Fax: 800-2274866

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


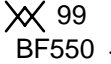

**PRODUCT: BBRF550**  
 DOCUMENT: SCD 25735  
 PCN: E04718  
 REV LETTER: B  
 REV DATE: APRIL 15, 2005  
 PAGE NO.: 1 OF 1

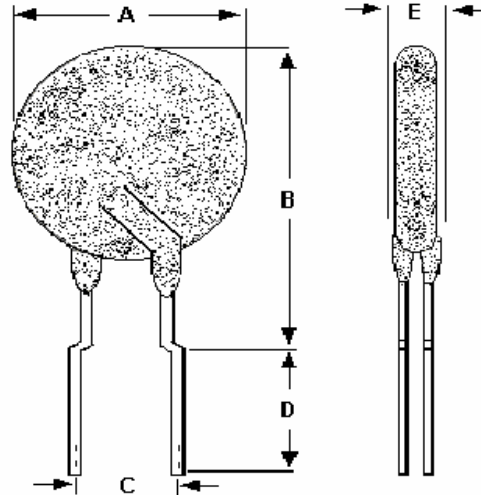
**Specification Status: Released**

**Electrical Rating**  
**Voltage: 99V<sub>AC</sub> MAX**  
**Current: 20A MAX**

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

Lead Material:  
 20 AWG Tin Plated Copper

Marking:  
 Raychem Logo and Voltage  
 99  
 BF550 — Part Identification  
 — Lot Identification (can be on back)



**TABLE I. DIMENSIONS:**

	A		B		C		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MAX	MAX
mm:	--	10.9	--	14.0	4.3	5.8	7.6	--	--	3.6
in*:	--	(0.43)	--	(0.55)	(0.17)	(0.23)	(0.30)	--	--	(0.14)

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS:**

I HOLD	CURRENT RATINGS						TIME TO TRIP	RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP	NOMINAL TRIPPED POWER DISSIPATION	
	AMPS 20°C	AMPS AT 0°C	AMPS AT 20°C	AMPS AT 60°C	SECONDS AT 20°C, 1.6A MAX	OHMS AT 20°C		MIN	MAX			OHMS AT 20°C
	HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX		
	0.55	0.65	1.3	0.55	1.1	0.35	0.79	60	0.8	1.30	1.95	1.5

Agency Recognitions: UL, CSA .  
 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

Directive 2002/95/EC  
 Compliant

Directive 2000/53/EC  
 Compliant

