

**FEATURES**

- Low hold current, Solid state, Radial leaded product ideal for up to 90V
- Application: Cable/Telephone Electronics - Cable Power Passing Tap
- Operation Current: 100mA ~ 900mA
- Maximum Voltage: 90V
- Temperature Range: -40°C to 85°C
- Uncoated (U) type available

**AGENCY RECOGNITION**

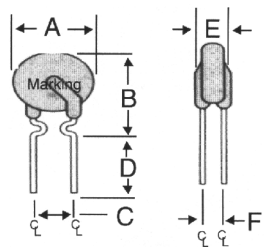
- UL (E211981)
- C-UL (E211981)
- TUV (R5004054)

**ELECTRICAL CHARACTERISTICS (23°C)**

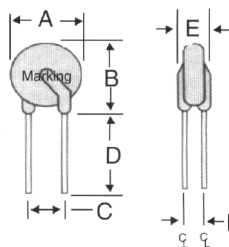
Part Number	Hold Current I <sub>H</sub> , A	Trip Current I <sub>T</sub> , A	Max Time to Trip at 5xI <sub>H</sub>	Maximum Current I <sub>MAX</sub> , A	Rated Voltage V <sub>MAX</sub> , Vdc	Typical Power P <sub>d</sub> , W	Resistance Tolerance	
							R <sub>MIN</sub> OHMS	R <sub>1MAX</sub> OHMS
FBR100(U)F	0.10	0.20	10	40	90	0.38	2.50	7.50
FBR150(U)F	0.15	0.35	10	40	90	0.70	2.40	7.00
FBR200(U)F	0.20	0.45	10	40	90	0.80	1.50	4.50
FBR250(U)F	0.25	0.55	10	40	90	0.90	1.25	3.70
FBR350(U)F	0.35	0.75	10	40	90	1.30	0.90	2.50
FBR550(U)F	0.55	1.20	12	40	90	1.50	0.45	1.50
FBR750(U)F	0.75	1.60	13	40	90	1.70	0.30	1.20
FBR900(U)F	0.90	2.00	20	40	90	2.30	0.15	0.70

I<sub>H</sub>=Hold current-maximum current at which the device will not trip at 23°C still air.  
 I<sub>T</sub>=Trip current-maximum current at which the device will always trip at 23°C still air.  
 V<sub>MAX</sub>=Maximum voltage device can withstand without damage at its rated current.  
 I<sub>MAX</sub>=Maximum fault current device can withstand without damage at rated voltage (V<sub>MAX</sub>).  
 P<sub>d</sub>=Typical power dissipated from device when in the tripped state in 23°C still air environment.  
 R<sub>MIN</sub>=Minimum device resistance at 23°C.  
 R<sub>1MAX</sub>=Maximum device resistance at 23°C, 1 hour after tripping.  
 Physical specifications:  
 Lead material: FBR100~FBR350 Tin plated copper, 24 AWG.  
 FBR550~FBR900 Tin plated copper, 20 AWG.  
 Soldering characteristics: MIL-STD-202, Method 208E.  
 Insulating coating: Flame retardant epoxy, meet UL-94V-0 requirement.

**FBR PRODUCTION DIMENSIONS (MILLIMETER)**



FBR100-90 ~ FBR350-90  
Lead Size: 24AWG (0.51mm)

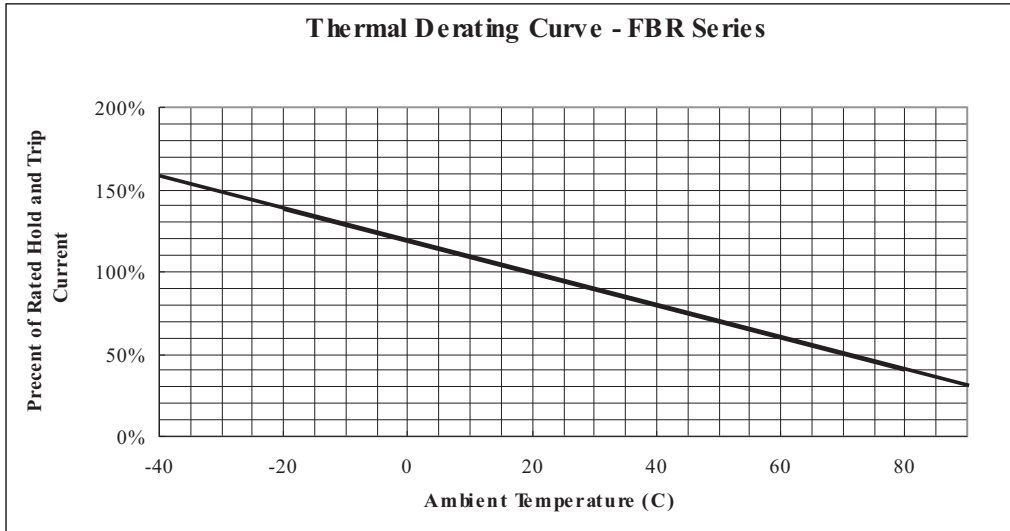


FBR550-90 ~ FBR900-90  
Lead Size: 20AWG (0.81mm)

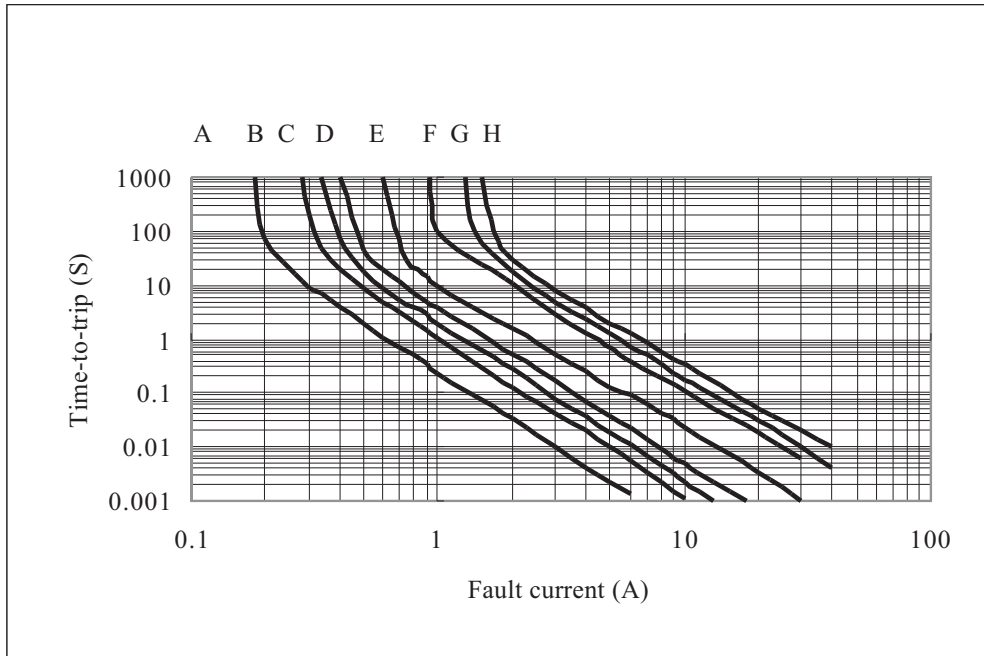
Part Number	A	B	C	D	E	F
	Maximum	Maximum	Typical	Minimum	Maximum	Typical
FBR100(U)F	7.4	12.7	5.1	7.6	3.1	1.4
FBR150(U)F	9	12.7	5.1	7.6	3.6	1.4
FBR200(U)F	9	12.7	5.1	7.6	3.6	1.4
FBR250(U)F	9	12.7	5.1	7.6	3.6	1.4
FBR350(U)F	9	12.7	5.1	7.6	3.6	1.4
FBR550(U)F	10.9	14.0	5.1	7.6	3.6	1.4
FBR750(U)F	11.9	15.5	5.1	7.6	3.6	1.4
FBR900(U)F	13.0	16.0	5.1	7.6	3.6	1.4

U suffix = uncoated

■ THERMAL DERATING CURVE



■ TYPICAL TIME-TO-TRIP AT 23°C



- A= FBR100(U)
- B= FBR150(U)
- C= FBR200(U)
- D= FBR250(U)
- E= FBR350(U)
- F= FBR550(U)
- G= FBR750(U)
- H= FBR900(U)

NOTE: All Specification subject to change without notice.