

UBF RH250/600 Series (250V/600V)

Electrical Characteristics

Part No Figure / Lead Option	I_{hold} (A)	I_{trip} (A)	V_{max} (V)	I_{max} (A)	$P_{d\ type}$ (W)	Max. (A)	Time-to-trip (s)	R_{min} (Ω)	R_{1max} (Ω)
UBF RH250080 Fig. 1, \emptyset 0.51, Sn/CuFe	0.08	0.16	100	3.0	1.0	0.35	4.0	14.5	33.0
UBF RH250110 Fig. 1, \emptyset 0.51, Sn/CuFe	0.11	0.22	100	3.0	1.0	1.00	2.0	5.0	16.0
UBF RH250120 Fig. 1, \emptyset 0.51, Sn/CuFe	0.12	0.24	100	3.0	1.0	1.00	2.0	4.0	16.0
UBF RH250145 Fig. 1, \emptyset 0.51, Sn/CuFe	0.15	0.29	100	3.0	1.0	1.00	2.5	3.0	12.0
UBF RH250180 Fig. 1, \emptyset 0.51, Sn/CuFe	0.18	0.65	100	10.0	1.5	3.00	2.0	0.8	4.0
UBF RH600150 Fig. 1, \emptyset 0.51, Sn/CuFe	0.15	0.30	250	3.0	1.0	1.00	3.0	0.6	17.0
UBF RH600160 Fig. 2, \emptyset 0.81, Sn/CuFe	0.16	0.32	250	3.0	1.0	1.00	7.0	0.4	18.0

I_{hold} : Hold current is the maximum current that **BF Fuse** can pass through without interruption at 20°C unless otherwise specified.

I_{trip} : Trip current is the minimum current that will switch the device from low resistance state to high resistance state at 20°C unless specified.

V_{max} : The maximum voltage device can withstand without damage at rated current.

I_{max} : The maximum current device can withstand without damage at rated voltage.

P_d : The power dissipated from device when in the tripped state at 20°C unless otherwise specified.

R_{min} : The minimum resistance of device as received from the factory at 20°C unless otherwise specified.

R_{max} : The maximum resistance of device as received from the factory at 20°C unless otherwise specified.

R_{1max} : The maximum resistance of device when measured one hour post trip at 20°C unless otherwise specified.

Max. Time-to-trip: The maximum time for device to trip at specified current ratings at 20°C unless otherwise specified.

Environmental Characteristics

Test	Test Conditions	Resistance Change
Passive Aging	+85°C, 1000 hours	±5% typical resistance change
Humidity Aging	+85°C, 85% R.H., 7 days	±5% typical resistance change
Thermal Shock	+85°C to -40°C, 10 times MIL-STD-202, Method 107G	±5% typical resistance change
Vibration	MIL-STD-883C, Condition A	No change
Solvent resistance	MIL-STD-202, Method 215	No change

UBF RH250/600 Series (250V/600V)

Dimensions

		A	B	C	D	E
Part No	Figure	Max.	Max.	Typical	Min.	Max.
UBF RH250080	1	5.8	9.6	5.0	4.7	4.6
UBF RH250110	1	6.8	9.9	5.0	4.7	4.6
UBF RH250120	2	6.5	11.0	5.0	4.7	4.6
UBF RH250145	2	6.5	11.0	5.0	4.7	4.6
UBF RH250180	2	9.0	12.0	5.0	4.7	3.8
UBF RH600150	2	9.0	12.5	5.0	4.7	4.6
UBF RH600160	2	16.0	12.6	5.0	4.7	6.0

NOTE: All drawings are not in scale and layout may vary.
 All parts dimension is in millimeter unless otherwise specified.
 Radial-leaded parts are not designed for reflow soldering.

Lead Materials: UBF RH250080 – 180, Tin plated Copper, 0.81mm / 0.52mm² / 20 AWG
 UBF RH600150 – 160, Tin plated Copper, 0.81mm / 0.52mm² / 20 AWG

Insulation Materials: Cured, flame-retardant epoxy polymer that meets UL94V-0

Agency Approval: UL File Number E 119550
 c-UL File Number E 119550
 TUV File Number Pending

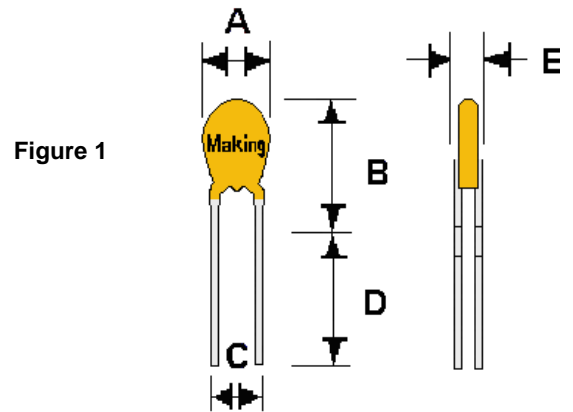


Figure 1

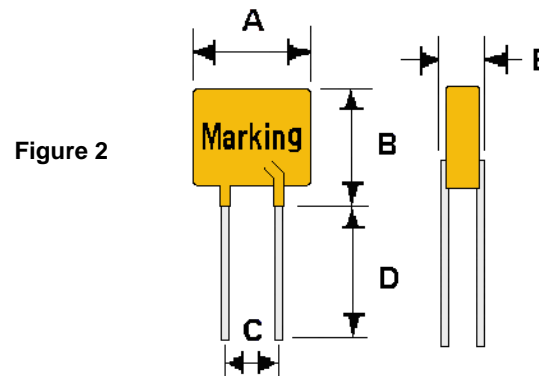
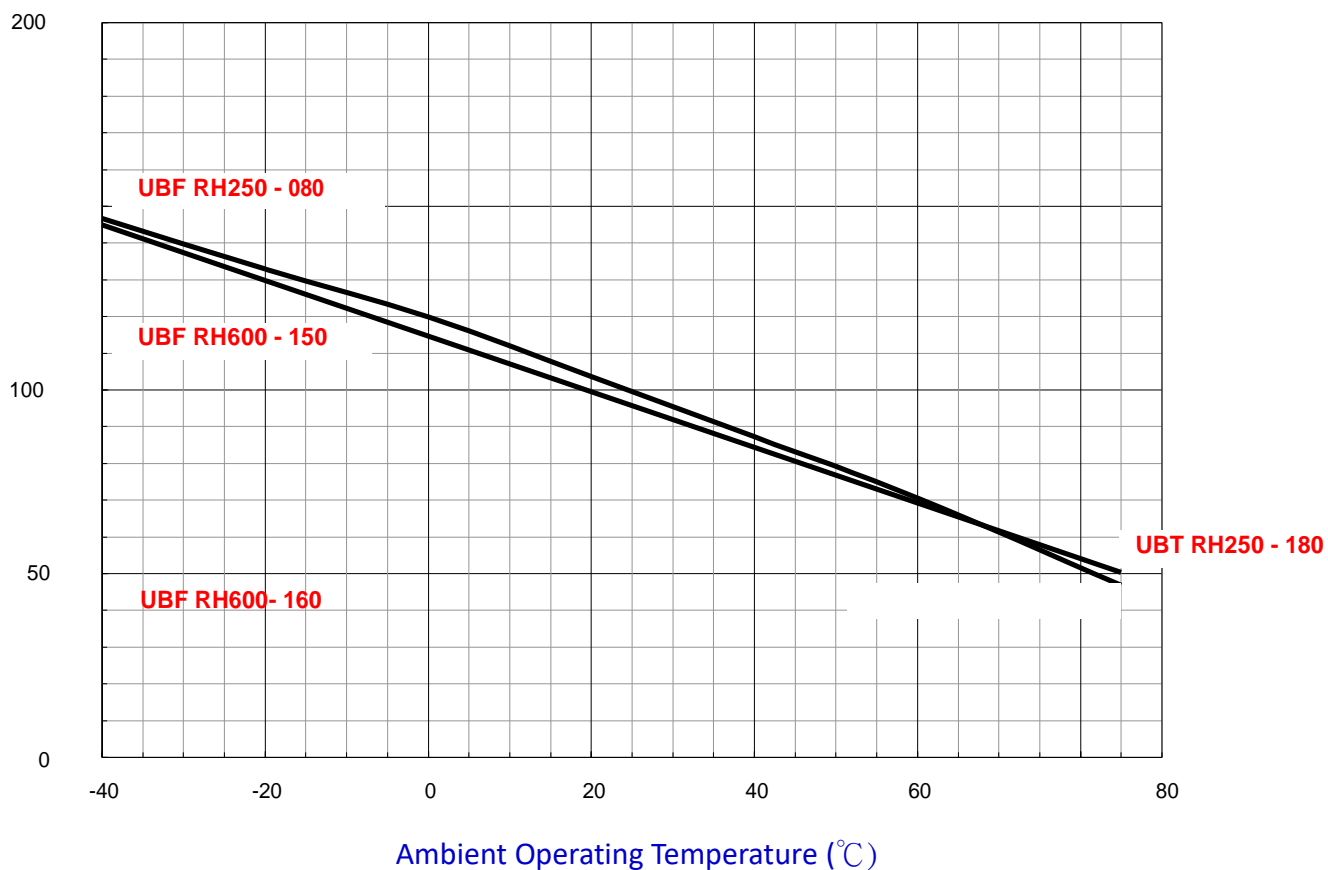


Figure 2

UBF RH250/600 Series (250V/600V)

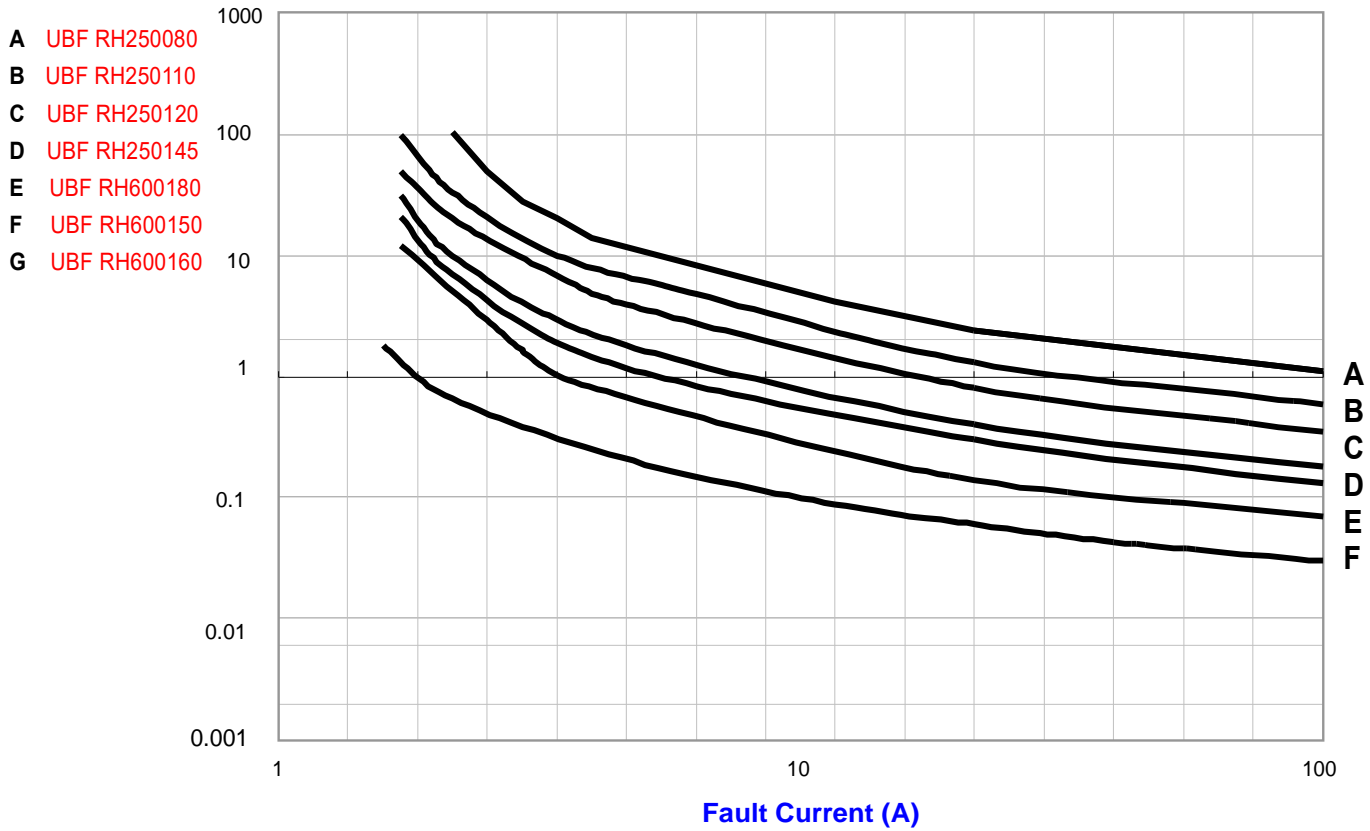
Typical Thermal Derating Chart – I_{hold} (A)

Part No	-40	-20	0	20	40	60	85
UBF RH250080	0.13	0.11	0.10	0.08	0.07	00.5	0.03
UBF RH250110	0.17	0.15	0.13	0.11	0.09	0.07	0.03
UBF RH250120	0.19	0.17	0.14	0.12	0.10	0.08	0.05
UBF RH250145	0.24	0.21	0.18	0.15	0.12	0.10	0.06
UBF RH250180	0.28	0.25	0.21	0.17	0.15	0.12	0.08
UBF RH600150	0.24	0.21	0.18	0.14	0.12	0.10	0.06
UBF RH600160	0.25	0.22	0.19	0.16	0.13	0.10	0.07

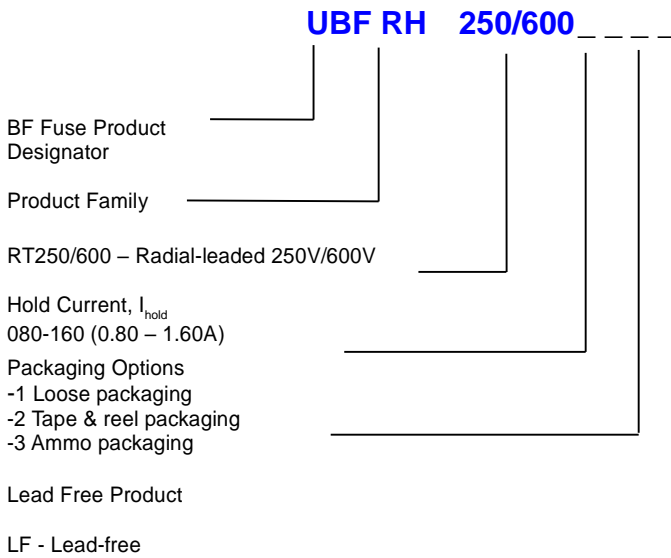


UBF RH250/600 Series (250V/600V)

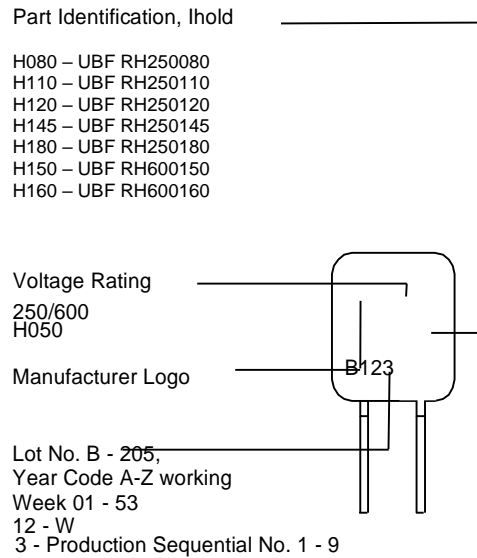
Typical Time To Trip Curve at 20°C



Ordering Information



Part Marking



UBF RH250/600 Series (250V/600V)

Packaging Information

Part No	-1 Loose Pack Quantity	-2 Tape & Reel Quantity	-3 Ammo Pack Quantity
UBF RH250080	500	3000	2000
UBF RH250110	500	3000	2000
UBF RH250120	500	3000	2000
UBF RH250145	500	3000	2000
UBF RH250180	500	2500	2000
UBF RH600150	500	2500	2000
UBF RH600160	500	2000	2000