UBF LT Series - 110°C Activation

Electrical Characteristics

Part No	Figure	I_{hold}	I_{trip}	V_{max}	I_{max}	$P_{d\ typ}$	Max. Time-to-trip	R_{min}	R_{max}	R_{1max}
		(A)	(A)	(V)	(A)	(W)	(A)	(s)	(Ω)	(Ω)	(Ω)			
UBF LT070	1	0.7	1.45	15	100	0.7	3.5	5.0	0.100	0.200	0.340
UBF LT070S	2	0.7	1.45	15	100	0.7	3.5	5.0	0.100	0.200	0.340
UBF LT100	1	1.0	2.50	24	100	0.9	5.0	7.0	0.070	0.130	0.260
UBF LT100S	2	1.0	2.50	24	100	0.9	5.0	7.0	0.070	0.130	0.260
UBF LT100SS	3	1.0	2.50	24	100	0.9	5.0	7.0	0.070	0.130	0.260
UBF LT180	1	1.8	3.80	24	100	1.0	9.0	2.9	0.040	0.068	0.120
UBF LT180S	2	1.8	3.80	24	100	1.0	9.0	2.9	0.040	0.068	0.120
UBF LT190	1	1.9	4.20	24	100	1.9	10.0	3.0	0.030	0.057	0.100
UBF LT260	1	2.6	5.20	24	100	1.3	13.0	5.0	0.025	0.042	0.076
UBF LT300	1	3.0	6.30	24	100	1.7	15.0	4.0	0.015	0.031	0.055
UBF LT340	1	3.4	6.80	24	100	1.6	17.0	5.0	0.016	0.027	0.050

I_{hold}: Hold current is the maximum current that **UB 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	+70°C, 1000 hours	±10% typical resistance change
Humidity Aging	+85°C, 85% R.H., 7 days	±15% 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

UBF LT Series - 110°C Activation

Dimensions

Part No	A		B		C		D		E		F	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
UBF LT070	19.9	22.1	0.7	1.2	4.9	5.2	5.5	7.5	5.5	7.5	3.9	4.1
UBF LT070S	19.9	22.1	0.7	1.2	4.9	5.2	5.5	7.5	5.5	7.5	3.9	4.1
UBF LT100	20.9	23.1	0.6	1.0	4.9	5.2	4.1	5.5	4.1	5.5	3.9	4.1
UBF LT100S	20.9	23.1	0.6	1.0	4.9	5.2	4.1	5.5	4.1	5.5	3.9	4.1
UBF LT100SS	20.9	23.1	0.6	1.0	4.9	5.2	4.1	5.5	4.1	5.5	3.9	4.1
UBF LT180	24.0	26.0	0.6	1.0	4.9	5.2	4.1	5.5	4.1	5.5	3.9	4.1
UBF LT180S	24.0	26.0	0.6	1.0	4.9	5.2	4.1	5.5	4.1	5.5	3.9	4.1
UBF LT190	21.3	23.4	0.5	1.1	10.2	11.0	5.0	7.6	5.0	7.6	4.8	5.4
UBF LT260	24.0	26.0	0.6	1.0	10.8	11.9	5.0	7.0	5.0	7.0	5.9	6.1
UBF LT300	28.4	31.8	0.5	1.1	13.0	13.5	6.3	8.9	6.3	8.9	6.0	6.6
UBF LT340	24.0	26.0	0.6	1.0	14.8	15.9	4.0	5.0	4.0	5.0	5.9	6.1

NOTE: All drawings are not in scale and layout may vary.

All parts dimension is in millimeter unless otherwise specified.

Terminal material is quarter hard Nickel with nominal thickness 0.125mm. Tape material is Polyester.

All terminal's slit dimension is 0.5x4.0mm.

Rounded corner terminals are available upon customer request.

All part numbers are available without wrapping upon customer request.

Packaging: 1000 pcs per bag (UBF LT070 to UBF LT180S)
500 pcs per bag (UBF LT190 to UBF LT340)

Agency Approval:

UL File Number	E 119550
c-UL File Number	E 119550
TUV File Number	Pending

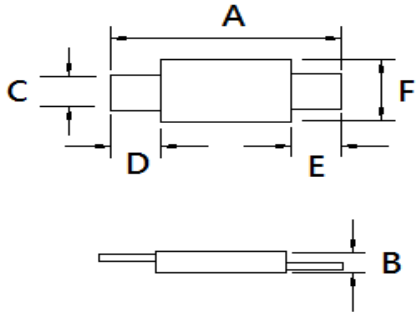


Figure 1

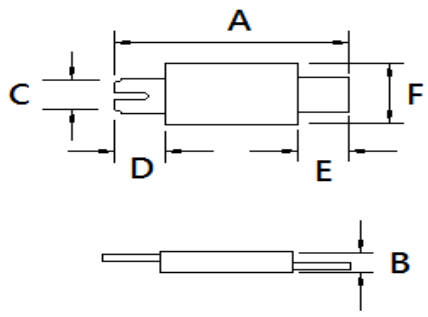
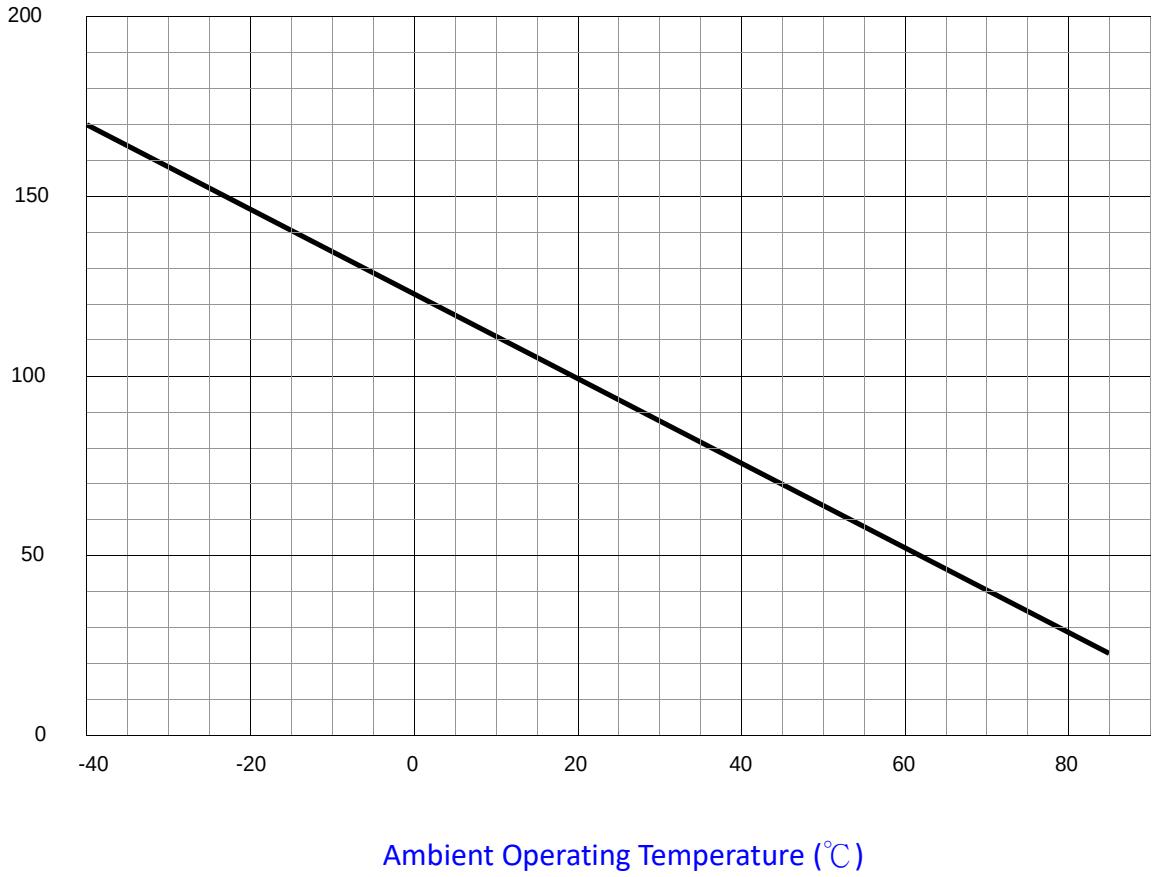


Figure 2

UBF LT Series - 110°C Activation

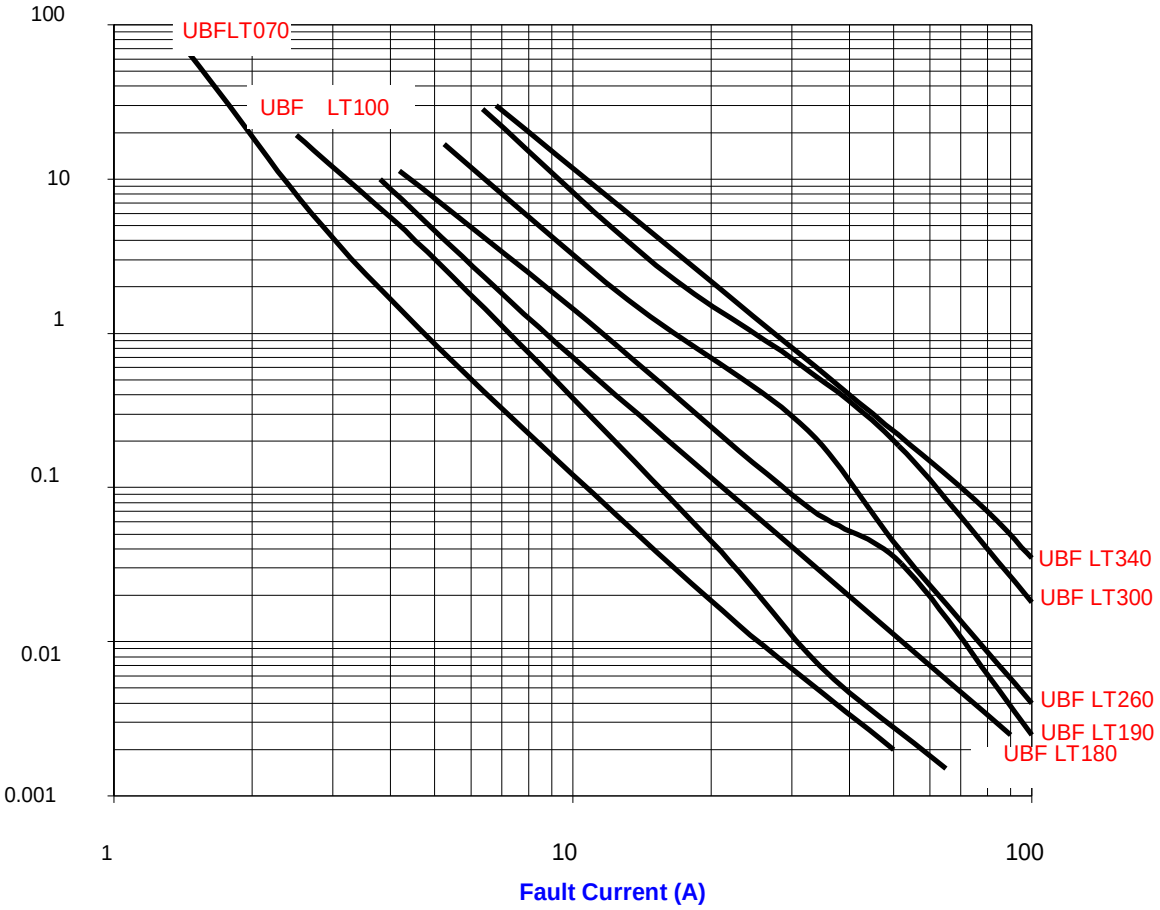
Typical Thermal Derating Chart – Ihold (A)

Part No	-40	-20	0	20	40	60	85
UBF LT070	1.1	1.0	0.8	0.7	0.5	0.3	0.1
UBF LT070S	1.1	1.0	0.8	0.7	0.5	0.3	0.1
UBF LT100	1.8	1.6	1.4	1.0	0.8	0.6	0.2
UBF LT100S	1.8	1.6	1.4	1.0	0.8	0.6	0.2
UBF LT100SS	1.8	1.6	1.4	1.0	0.8	0.6	0.2
UBF LT180	3.1	2.6	2.2	1.8	1.3	0.9	0.3
UBF LT180S	3.1	2.6	2.2	1.8	1.3	0.9	0.3
UBF LT190	3.3	2.8	2.4	1.9	1.4	1.1	0.4
UBF LT260	4.3	3.7	3.1	2.6	1.9	1.4	0.6
UBF LT300	5.1	4.4	3.7	3.0	2.3	1.6	0.7
UBF LT340	5.5	4.7	4.0	3.4	2.6	1.9	0.9



UBF LT Series – 110°C Activation

Typical Time To Trip Curve at 23°C



Ordering Information

UBF LT 070_ _ _

UB Fuse Product Designator

Product Family

LT – Low Temp., 110ºC activation

Hold Current, I_{hold}
070-340 (0.70 - 3.40A)

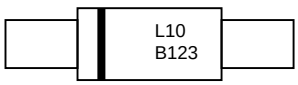
Lead Option & Type
G - Right angled terminal
L - Longer terminal
N - Narrow strap type
S - Single slit terminal
SS - Double slits terminal
U - Unwrapped strap type
X - Special terminal

Lead-Free Product
LF - Lead-free

Part Marking

Part Identification, Ihold
L07 – UBF LT070, 070S
L10 – UBF LT100, 100S, 100SS
LT18–UBF LT180, 180S
L19 – UBF LT190
L26 – UBF LT260
L30 – UBF LT300
L34 – UBF LT340

Manufacturer Logo



Orientation Mark (Optional)

Lot No.
B - 2005, Year Code A - Z
12 - Working Week 01 - 53
3 - Production Sequential No. 1 - 9