

# UBF LR Series - 125°C Activation

## Electrical Characteristics

Part No	Figure	I <sub>hold</sub> (A)	I <sub>trip</sub> (A)	V <sub>max</sub> (V)	I <sub>max</sub> (A)	P <sub>d typ</sub> (W)	Max. (A)	Time-to-trip (s)	R <sub>min</sub> (Ω)	R <sub>max</sub> (Ω)	R <sub>1max</sub> (Ω)
UBF LR190	1	1.9	3.9	15	100	0.8	9.5	5.0	0.039	0.072	0.102
UBF LR190S	2	1.9	3.9	15	100	0.8	9.5	5.0	0.039	0.072	0.102
UBF LR260	1	2.6	5.8	15	100	1.0	13.0	5.0	0.020	0.042	0.063
UBF LR260S	2	2.6	5.8	15	100	1.0	13.0	5.0	0.020	0.042	0.063
UBF LR380	1	3.8	8.3	15	100	1.2	19.0	5.0	0.013	0.026	0.037
UBF LR450	1	4.5	8.9	20	100	1.4	22.5	5.0	0.011	0.020	0.028
UBF LR550	1	5.5	10.5	20	100	2.0	27.5	5.0	0.009	0.016	0.022
UBF LR600	1	6.0	11.7	20	100	1.7	30.0	5.0	0.007	0.014	0.019
UBF LR730	1	7.3	14.1	20	100	1.9	30.0	5.0	0.006	0.012	0.015

I<sub>hold</sub>: Hold current is the maximum current that **UB Fuse** can pass through without interruption at 20°C unless otherwise specified.

I<sub>trip</sub>: 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<sub>max</sub>: The maximum voltage device can withstand without damage at rated current. I<sub>max</sub>:

The maximum current device can withstand without damage at rated voltage.

P<sub>d</sub>: The power dissipated from device when in the tripped state at 20°C unless otherwise specified.

R<sub>min</sub>: The minimum resistance of device as received from the factory at 20°C unless otherwise specified. R<sub>max</sub>:

The maximum resistance of device as received from the factory at 20°C unless otherwise specified.

R<sub>1max</sub>: 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	±10% 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

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## Dimensions

Part No	A		B		C		D		E		F	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
UBF LR190	19.9	22.1	0.6	1.0	4.9	5.5	5.5	7.5	5.5	7.5	3.9	4.1
UBF LR190S	19.9	22.1	0.6	1.0	4.9	5.5	5.5	7.5	5.5	7.5	3.9	4.1
UBF LR260	20.9	23.1	0.6	1.0	4.9	5.5	4.1	5.5	4.1	5.5	3.9	4.1
UBF LR260S	20.9	23.1	0.6	1.0	4.9	5.5	4.1	5.5	4.1	5.5	3.9	4.1
UBF LR380	24.0	26.0	0.6	1.0	6.9	7.5	4.1	5.5	4.1	5.5	4.9	5.1
UBF LR450	24.0	26.0	0.6	1.0	9.9	10.5	5.3	6.7	5.3	6.7	5.9	6.1
UBF LR550	35.0	37.0	0.6	1.0	6.9	7.5	5.3	6.7	5.3	6.7	4.9	5.1
UBF LR600	24.0	26.0	0.6	1.0	13.9	14.5	4.1	5.5	4.1	5.5	5.9	6.1
UBF LR730	27.1	29.1	0.6	1.0	13.9	14.5	4.1	5.5	4.1	5.5	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 (UBLR190 to UBLR380)  
 500 pcs per bag (UBLR450 to UBLR730)

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

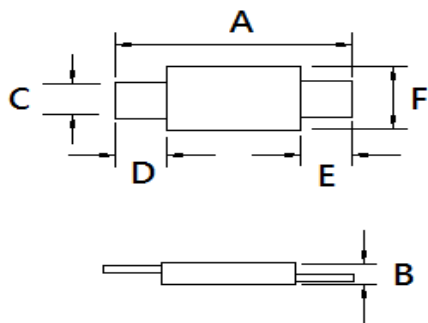


Figure 1

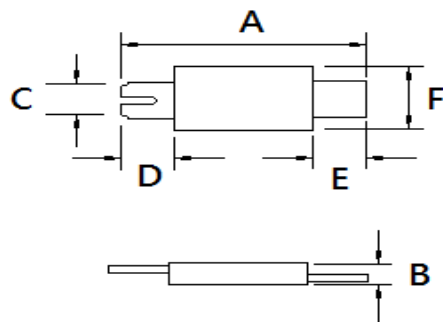
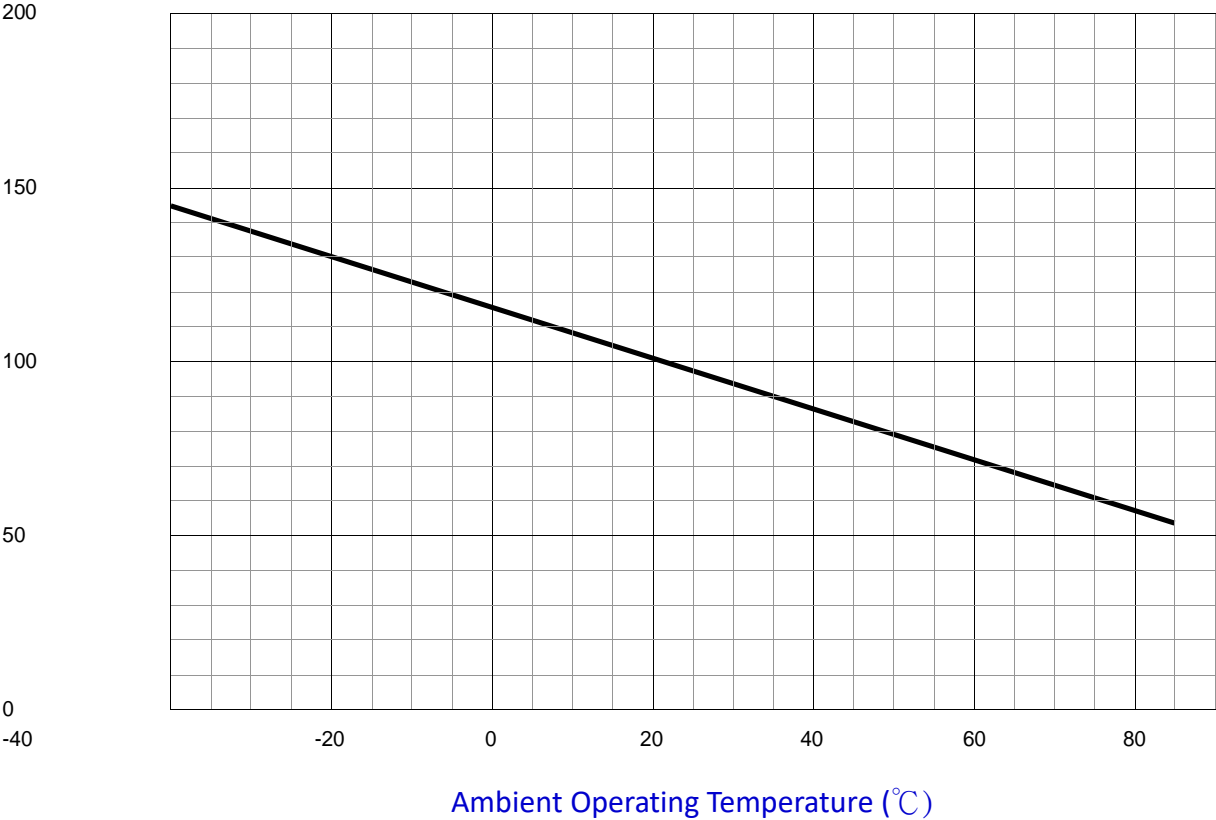


Figure 2

# UBF LR Series - 125°C Activation

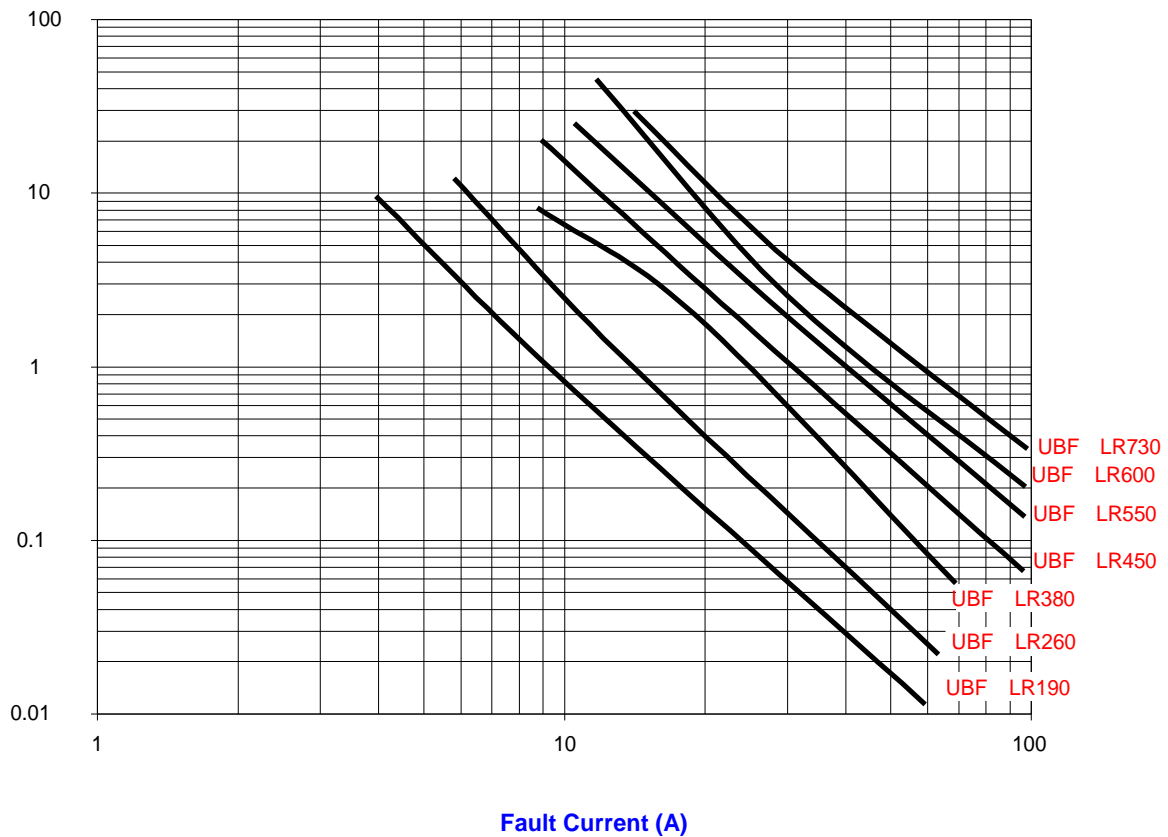
Typical Thermal Dating Chart –  $I_{hold}$  (A)

Part No	-40	-20	0	20	40	60	85
UBF LR190	2.8	2.5	2.3	1.9	1.6	1.4	1.0
UBF LR190S	2.8	2.5	2.3	1.9	1.6	1.4	1.0
UBF LR260	3.8	3.4	3.1	2.6	2.2	1.9	1.3
UBF LR260S	3.8	3.4	3.1	2.6	2.2	1.9	1.3
UBF LR380	5.4	4.9	4.4	3.8	3.3	2.8	2.1
UBF LR450	6.5	5.8	5.3	4.5	3.9	3.3	2.4
UBF LR550	7.6	6.9	6.2	5.5	4.7	4.0	3.0
UBF LR600	8.7	7.8	7.1	6.0	5.2	4.4	3.2
UBF LR730	10.5	9.5	8.6	7.3	6.3	5.4	4.0

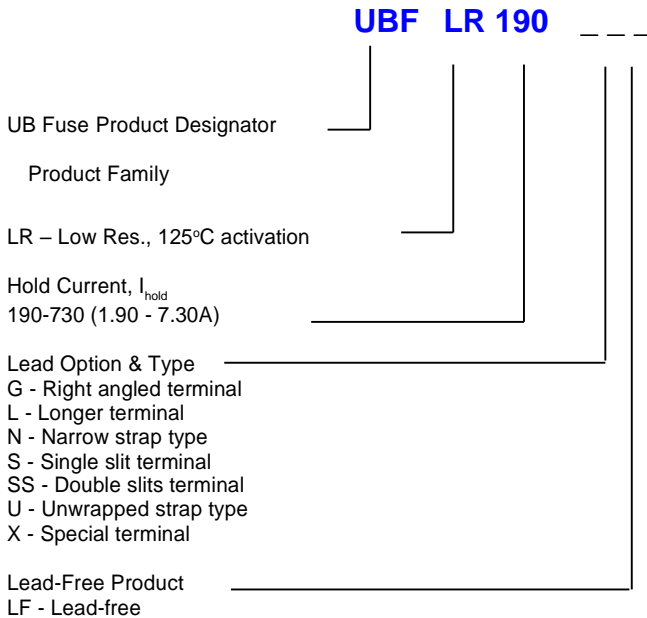


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## Typical Time To Trip Curve at 20 °C



## Ordering Information



## Part Marking

