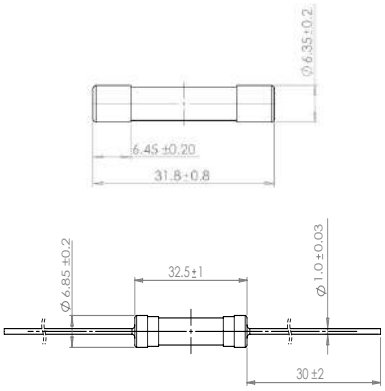
616 Miniature cartridge Fuse

Dimensions (unit: mm)



★ 15.0A~30A: Φ1.0mm
>30A: Φ1.2mm

Main Characteristics
Miniature cartridge fuse; Time-Lag(T)

Standard
UL248-14, IEC60127-7

Materials
Tube: Ceramic Tube
End Caps: Nickel plated brass
Axial Leads: Nickel plated caps
Tin plated copper wires

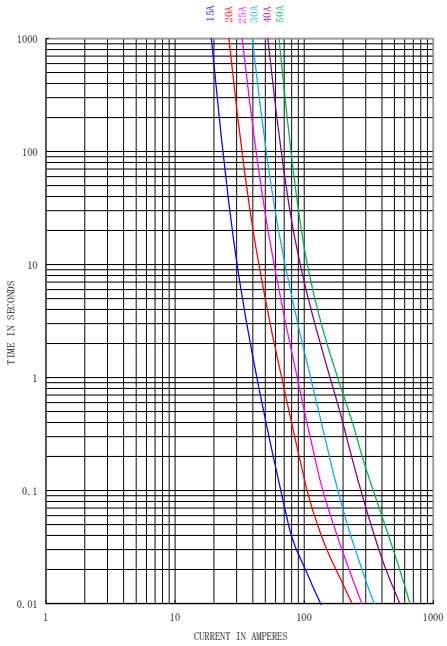
Operating Temperature
-55℃ to +125℃

Storage Conditions
+10℃ to +60℃
Relative humidity:≤75% yearly average
Without dew, maximum 30 days at 95%

Vibration Resistance
24 cycles at 15 min. each (60068-6)
10-60Hz at 0.75mm amplitude
60-2000Hz at 10g acceleration

Soldering Parameters
260℃.≤5 sec (Wave Soldering)
350℃.≤3 sec (Hand Soldering)
Soldering Peak:
260℃. 10 sec. (IEC 60068-20)

Average Time Current(I-T Curve)



Time vs Current Characteristics: UL 248-14		
Rated Current	100%	200%
15A~50A	>4h	<120s

Electrical Characteristics at 25℃

Amp	Ratede Current	Rated voltage	Voltage Drop Max(mV)	Typical Cold Resistance (mΩ)	Nominal Melting I²t(A²sec)	Breaking Capacity	Approvals	
							cURus	TUV
2150	15.00A	250V AC	150	6.03	169.3	200A@150V DC 1500A@250V AC	●	●
2200	20.00A		150	3.84	360.0		●	●
2250	25.00A		150	2.80	874.4		●	●
2300	30.00A		150	2.20	1449.0		●	●
2400	40.00A		150	1.48	4000.0		●	○
2500	50.00A		150	1.27	7000.0		●	○

Note: 1. ○ means the approvals are pending.
2. The current values used for calculating I2T should be at 10In.
3. The breaking capacity of TUV is 500A@250VAC when the current is 25A and 30A

Ordering Information

Series	Amp Code	Supplementary Code	Qty
616			