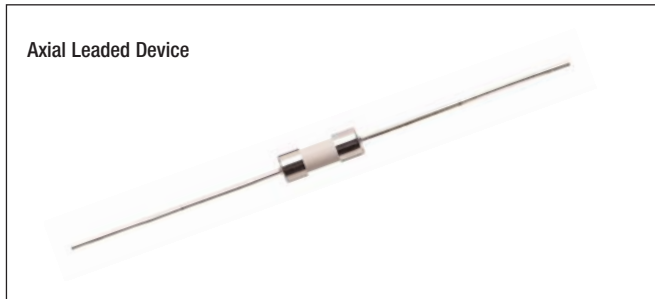


3.6x10mm Axial-leaded, Fast-Acting, Single Cap Ceramic Tube Fuses C310FC Series



Description

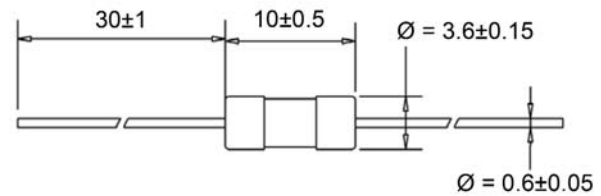
A fast-acting 3.6 x 10mm axial-leaded fuse constructed with ceramic tube and one-piece nickel-plated endcaps featuring tinned copper axial leads. Small 3.6 x 10mm size offers more design flexibility by doing away with conventional over-capping while providing higher I^2t values.

Electrical Characteristics							
Amp Rating	1.5I _n Min	2.1I _n Max	2.75I _n		4I _n		10I _n Max
	1hour	30min	10ms	3sec	3ms	300ms	20ms
800mA~3.15A							

Features

- Single cap, axial leaded, fast-acting fuse
- 3.6 x 10mm physical size
- Ceramic tube, nickel-plated brass endcap construction
- Tinned copper axial leads
- Designed to IEC60127-3, Sheet 3
- RoHS complaint, lead-free and halogen free
- cURus, TUV, CQC, KC Agency approvals

Dimensions - mm Drawing Not to Scale



Agency Information

- cURus Approval: File E19180 Guide JDYX2/YX8
- TUV Approval: File No: J 50217156
- CQC: CQC12012069004
- KC: SU05030-12001A

Ordering

- Specify packaging, product and option code (e.g., C310FC-2-TR1)

Environmental Specifications:

- Terminal Strength: MIL-STD-202G Method 211A. Test Condition A
- Thermal Shock: MIL-STD-202G, Method 107G (Test Condition 5cycles -40°C to 85°C)
- Resistance to Moisture: MIL-STD-202G, Method 106, Humidity (90~98%RH), Heat (65°C)
- Vibration: MIL-STD-202G, Method 201A (10~55Hz) Condition A
- Salt Spray: MIL-STD-202G, Method 101D, Test Condition B
- Solderability: J-STD-002C, Test Method C1

Specifications

Catalog Number	Voltage Rating Vac	Interrupting Rating @ 250Vac (Amps)	Typical Cold Resistance (mΩ)*	Typical Melting I ² t (A ² s)**	Max. Voltage Drop (mV)***	Agency Information			
						cURus	TUV	CQC	KC
C310FC-800mA-R	250	35	70	0.56	180	X	X		
C310FC-1.6A-R	250	35	34.5	2.2	120	X	X	X	X
C310FC-2A-R	250	35	26	3.8	100	X	X	X	X
C310FC-3.15A-R	250	35	15	13.3	100	X	X	X	X

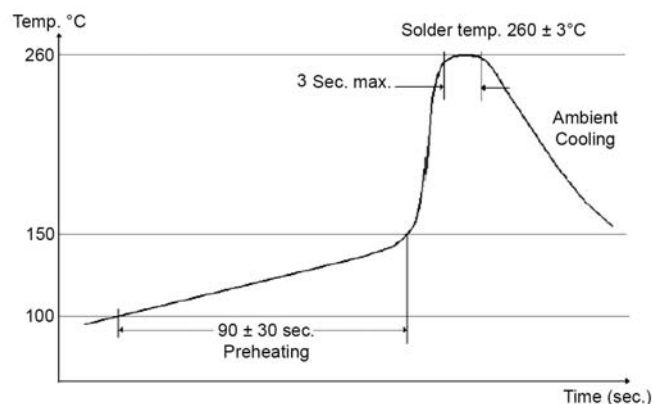
* Typical Cold Resistance (Measured at ≤10% of rated current).

** Typical Melting I²t (Tested at 10I_n).

*** Maximum Voltage Drop (Voltage drop was measured at 25°C ambient temperature at rated current).

Wave Soldering Parameters

Note: These devices are NOT recommended for IR or convection reflow processes.

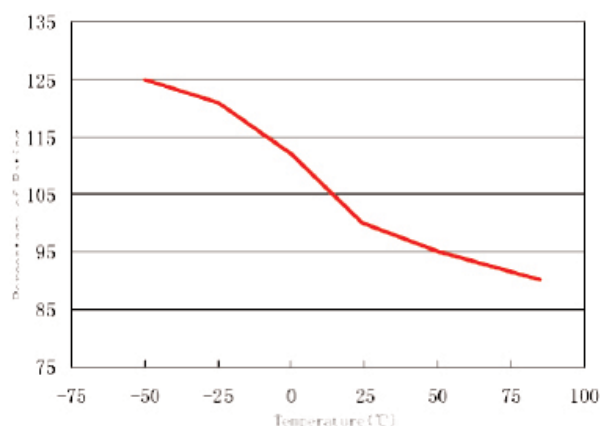


- Reservoir Temperature: $260^\circ\text{C} \pm 3^\circ\text{C}$
- Soldering Time: 3 seconds max.

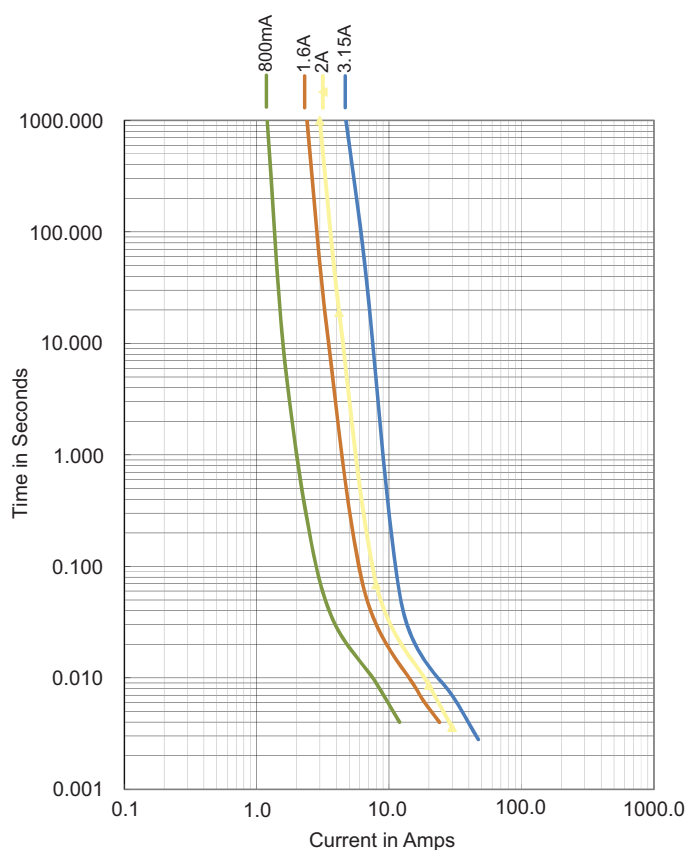
Hand Solder Parameters (Not Recommended)

- Soldering Iron Tip Temperature: $350^\circ\text{C} \pm 5^\circ\text{C}$
- Heating Time: 4-5 seconds max.

Temperature Derating Curve



Time-Current Curves



Packaging Code

Packaging Code Suffix	Description
-TR1	1500 Fuses on a reel, five (5) reels in one (1) carton

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