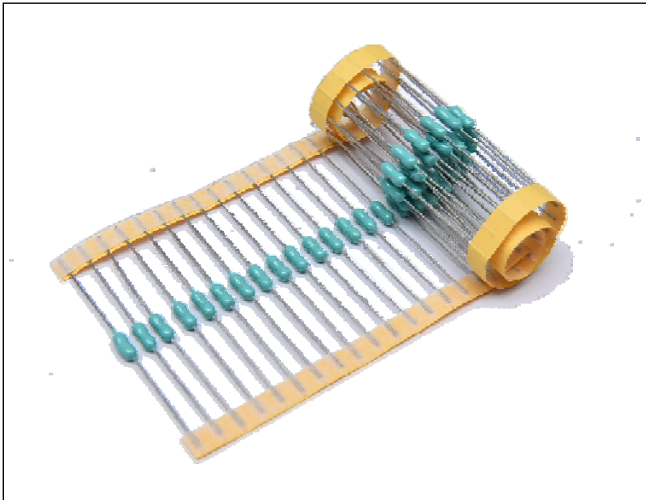


Type FEP

Fast Acting Micro Fuses Series



Description

FEP Fast-acting type, 125V/250V rated Voltage, designed in accordance to UL248-1, 248-14.

Features

- Lead-free
- Reduced PCB space requirements
- Direct solderable or plug-in versions
- Low internal resistance
- Vibration resistant
- Internationally approved
- Shock safe casing
- Halogen free

Applications

- Power supplies
- Consumer Electronics
- Adapter
- Battery Chargers
- Industrial Controllers

Agency Approvals.

Safety Agency	Agency File Number	Ampere Range Volt@I.R.ABILITY
	E133774	250mA-8A 250V AC@50A 250mA-8A 125V AC@50A

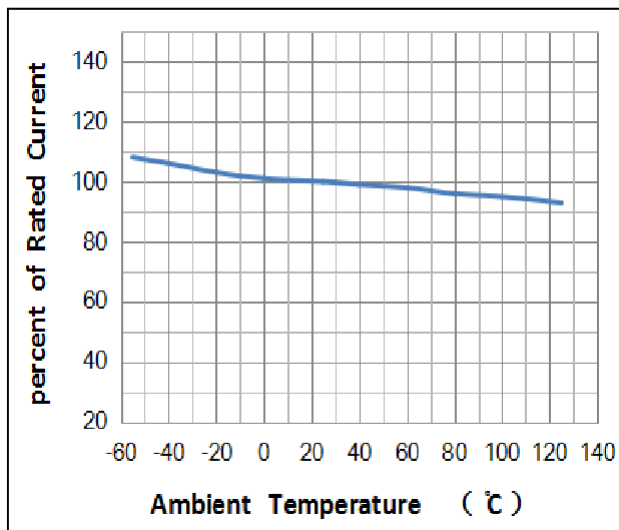
Electrical Characteristics for Series

% of Ampere Rating	Opening Time
100%	4 Hour, Min
200%	1min, Max

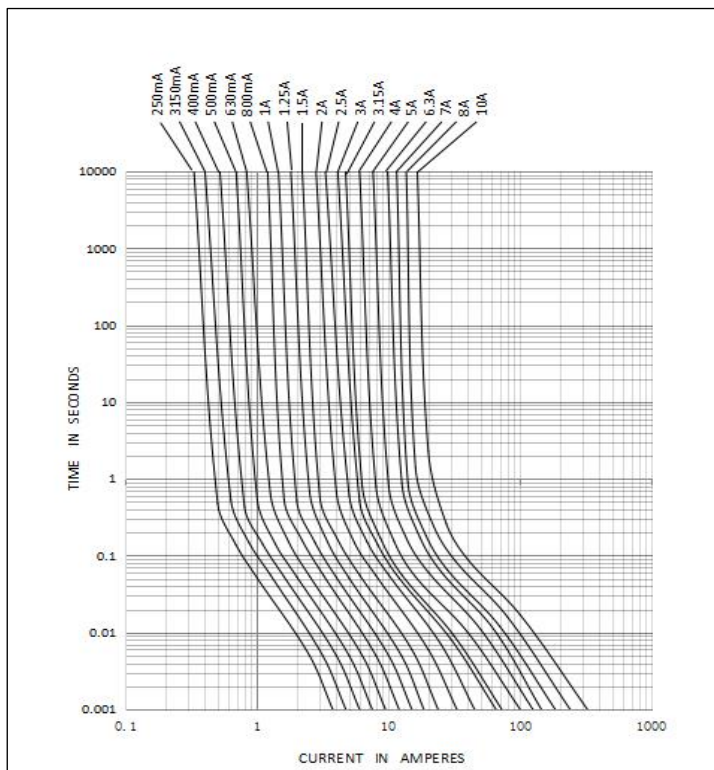
Electrical Characteristic Specifications by Item

Catalog Number	Rated Current	Voltage Rating	Breaking Capacity	Agency Approvals
FEP0250	250mA	125V / 250V	50A	•
FEP0315	315mA		50A	•
FEP0400	400mA		50A	•
FEP0500	500mA		50A	•
FEP0630	630mA		50A	•
FEP0800	800mA		50A	•
FEP1100	1A		50A	•
FEP1125	1.25A		50A	•
FEP1150	1.5A		50A	•
FEP1200	2A		50A	•
FEP1250	2.5A		50A	•
FEP1315	3.15A		50A	•
FEP1400	4A		50A	•
FEP1500	5A		50A	•
FEP1630	6.3A		50A	•
FEP1700	7A		50A	•
FEP1800	8A		50A	•

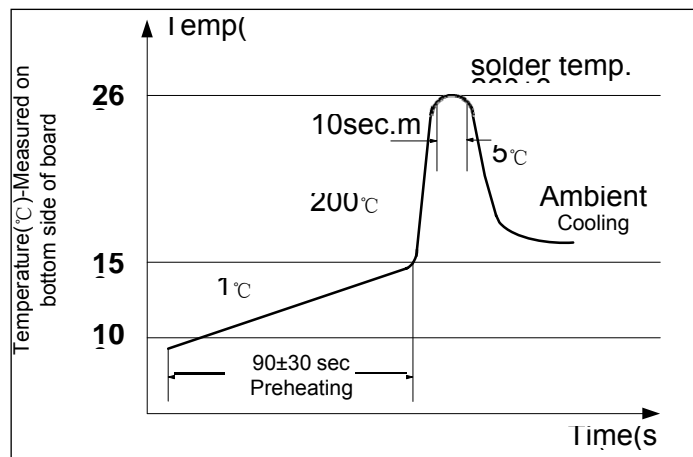
Temperature Re-rating Curve



Average Time Current Curves



Soldering Parameters-Wave Soldering



Recommended Process Parameters:

Lead-Free Wave Soldering Profile	
Wave Soldering Parameter	
Average ramp-up rate	200 °C/second
Heating rate during preheat	Typical 1-2 °C/second Max 4 °C/second
Final preheat temperature	Within 125 °C of soldering temperature
Peak temperature Tp	260 °C
Time within +0 °C/-5 °C of actual peak temperature	10 seconds
Ramp-down rate	5 °C/second max

Type FEP

Fast Acting Micro Fuses Series

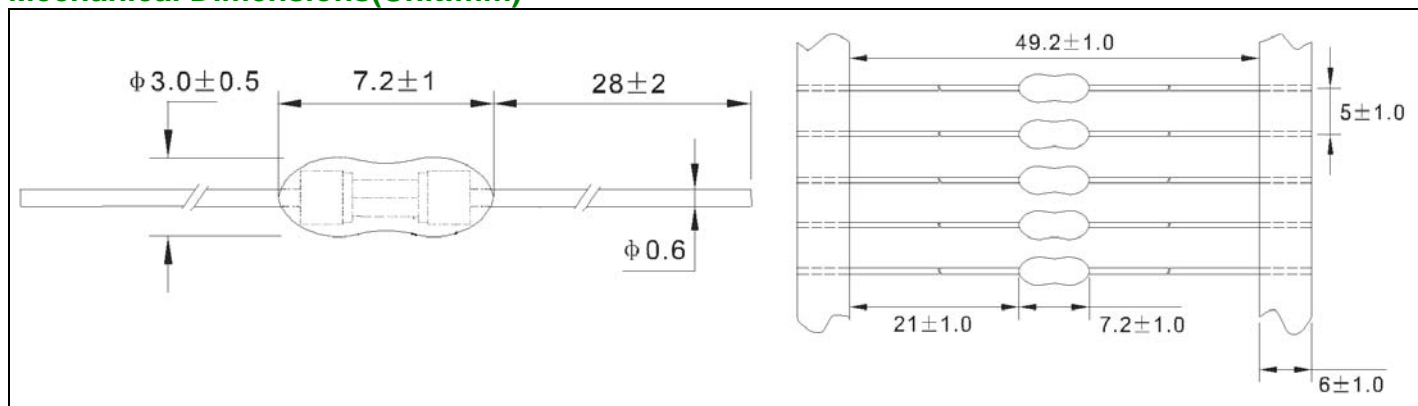


Product Characteristics

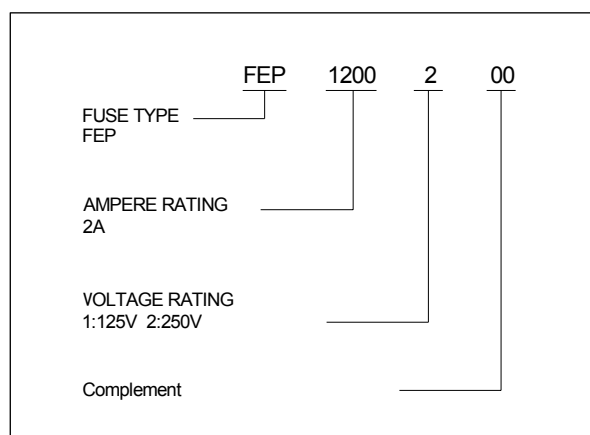
Materials	Ceramic Body Nickel Plated Brass Caps Lead Wire: Diameter 0.6mm
Lead Pull Strength	10 N(IEC 60068-2-21)
Solderability	260 °C, ≤3 sec.(wave) 350 °C, ≤3 sec.(soldering iron)
Soldering Heat Resistance	260 °C, 10 sec.(IEC 60068-2-20) 350 °C, ≤3 sec.(soldering iron)

Operating Temperature	-55 °C to +125 °C (consider de-rating)
Climatic Category	-40 °C to +85 °C/21 days (EN 60068-1, -2-1, -2-2, -2-78)
Stock Condition	+10 °C to +60 °C Relative humidity ≤75% yearly Average, without dew, maximum Value for 30 days -95%
Vibration Resistance	24 cycles at 15 min. each (EN 60068-2-6) 10-60 Hz at 0.75 mm amplitude 60-2000 Hz at 10 g acceleration

Mechanical Dimensions(Unit:mm)



Ordering Information



Packaging

Packaging Option	Packaging Specification	Quantity
Tape and Reel	N / A	2000