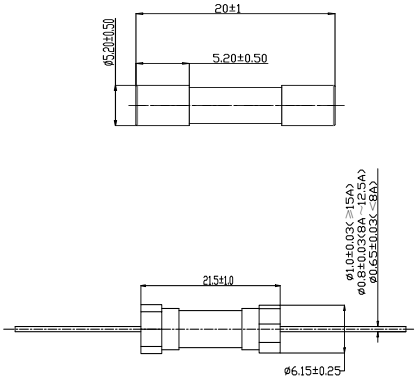
513 Fast-Acting Miniature Fuse

Dimensions (unit: mm)



Main Characteristics

Axial miniature fuse; Fast-Acting

Standard

UL248-14

Materials

Tube: Ceramic Tube
End Caps: Silver plated copper

Operating Temperature

-55℃ to +125℃

Storage Conditions

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

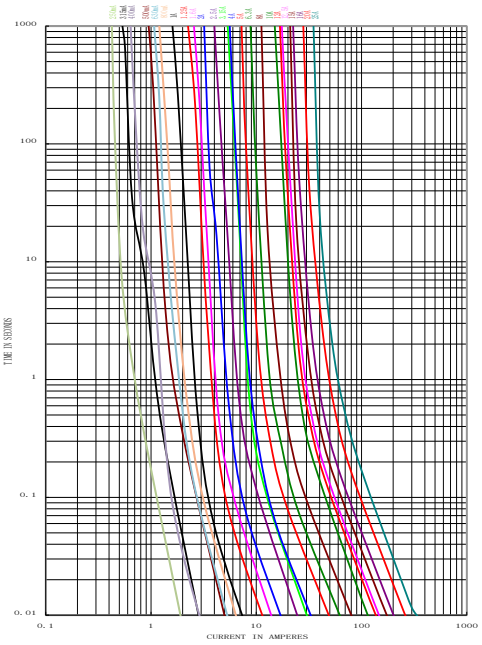
Vibration Resistance

120 cycles in 1 direction at 1 min. each
10-55Hz, 3 directions(X, Y, Z) in total
According to MIL-STD-202 Method 201A

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 Curves)



Time vs Current Characteristics: UL 248-14					
Rated Current	100%	210%	275%	400%	1000%
0.2A～25A	>1h	<30min	40ms～20s	10ms～1s	≤30ms

cULus RoHS

Electrical Characteristics at 25℃

Amp Code	Rated Current	Rated Voltage	Nominal Melting I²t（A²sec)	Typical cold Resistance (mΩ)	Breaking Capacity	Approvals	
						cURus	TUV
0250	250mA	300V AC/DC	0.019	11500	1500A@300VAC 1000A@300VDC	●	○
0315	315mA		0.062	7500		●	○
0400	400mA		0.058	4650		●	○
0500	500mA		0.247	1080		●	●
0630	630mA		0.221	787		●	●
0800	800mA		0.325	607		●	●
1100	1.00A		0.440	281		●	●
1125	1.25A		1.230	164		●	●
1160	1.60A		1.750	142		●	●
1200	2.00A		2.680	101		●	●
1250	2.50A		5.930	67.4		●	●
1315	3.15A		8.930	38.0		●	●
1400	4.00A		10.40	34.5		●	●
1500	5.00A		23.70	23.2		●	●
1630	6.30A		38.50	18.4		●	●
1800	8.00A		64.00	14.0		●	●
2100	10.00A		138.0	9.20		●	●
2120	12.00A		192.0	7.70		●	●
2125	12.50A		225.0	7.20		●	●
2150	15.00A		312.0	6.10		●	●
2160	16.00A		434.0	5.40		●	●
2200	20.00A		732.0	4.10	750A@300VAC 1000A@300VDC	●	●
2250	25.00A		1106	3.35		●	●

Notes: (1) Permissible continuous operating current is ≤100% at ambient temperature of 23°C (73.4°F)
(2) Typical pre-arcing I2t are measured at 10In current.
(3) The cURus certification by 300VAC/DC; the TUV certification only by 300VAC.

Ordering Information

Series	Amp Code	Supplementary Code	Qty
513			

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