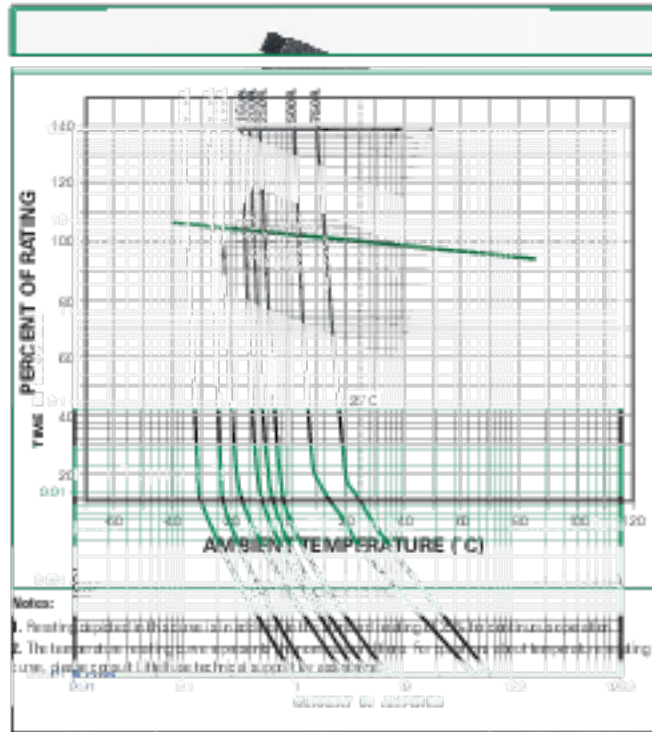
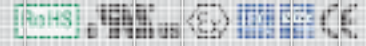


PICO® 304 Series – 277V Intrinsically Safe Fuse



Description

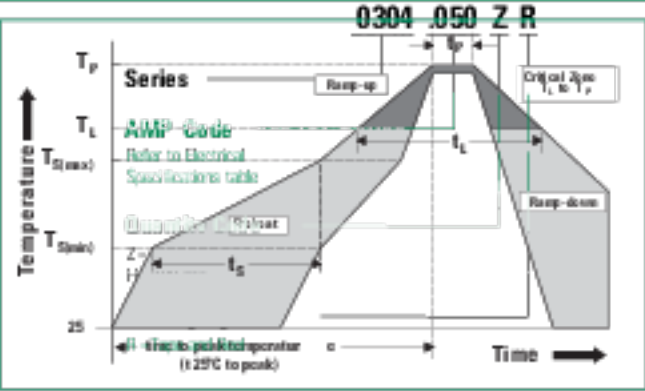
Operating Temperature	
Current Rating	Ambient Temperature
0.050A	-40°C to +60°C
0.100A	-40°C to +60°C
0.250A	-40°C to +60°C
0.500A	-40°C to +81°C
0.750A	-40°C to +60°C

- Notes:**
1. Any use of the 304 Series Fuse outside of the ambient temperature range specified in the table is subject to additional investigation.
2. Specific ambient temperature ratings are for safety classification.

Molding Material	Polyamide 6T/6F CTI: 75 volts minimum Continuous Operating Temperature: 100°C
Thermal Shock	Withstands 5 cycles of -55°C to 125°C
Mechanical Shock	RECOMMENDED PAD LAYOUT
Insulation Resistance (After Opening)	Greater than 10,000 ohms (at twice rated DC voltage)
Resistance to Soldering Heat	MIL-STD-202, Method 210
Moisture Resistance	MIL-STD-202, Method 106
Salt Fog Test	MIL-STD-202, Method 101

Soldering Parameters

Reflow Condition	Pb-free assembly	
Pre Heat	- Temperature Min ($T_{pre\ min}$)	150°C
	- Temperature Max ($T_{pre\ max}$)	200°C
	- Time (Min to Max) (t_p)	60 – 120 seconds
Average Ramp-up Rate (Liquidus Temp (T_L) to peak)	5°C/second max	
$T_{pre\ max}$ to T_L - Ramp-up Rate	5°C/second max	
Reflow	- Temperature (T_r) (Liquidus)	217°C
	- Temperature (t_r)	60 – 150 seconds
Peak Temperature (T_p)	260 ± 10°C	
Time within 5°C of actual peak Temperature (t_p)	20 – 40 seconds	
Ramp-down Rate	5°C/second max	



Catalog Number	Ampere Rating (A)	Amp Code	Interrupting Rating	Nominal Melting Point (°C)	Minimum Cold Resistance at 25°C (ohms)	Minimum Cold Resistance at 100°C (ohms)	Nominal Cold Resistance at 25°C (ohms)	Agency Approvals			
								UL	UL	UL	UL
0304-050	0.050	.050		0.00019	9.202	9.010	12.00	X	X	X	X
0304-100	0.100	.100		0.00070	2.709	2.600	3.10	X	X	X	X

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