Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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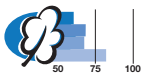
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

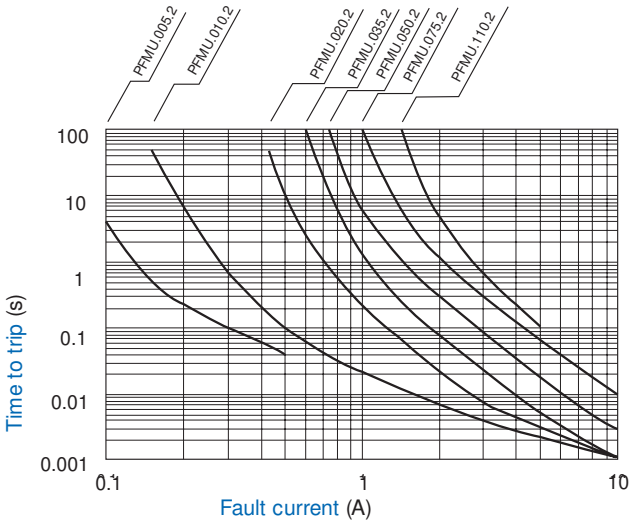
Surface Mount PTC-Fuses Type PFMU

2,8 x 3,4 mm
fast tripping
Packaged per EIA 481-1

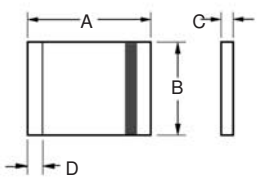
Agency recognition:
UL, CSA, TÜV



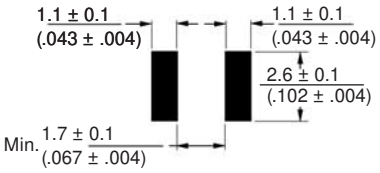
Typical Time to Trip at 23 °C



Dimensions



Solder pad layouts

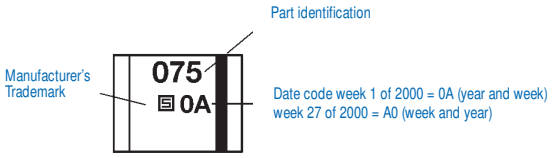


Applications

- PC motherboards
- PC modems
- USB
- General electronics: Phones, fax machines, televisions, printers, video equipment, PDA

Typical Part Marking

Layout may vary



Environmental Characteristics

Operating/Storage Temperature	-40 °C to +85 °C	
Maximum Device Surface Temperature in Tripped State	125 °C	
Passive Aging	+85 °C, 1000 hours	± 5% typ. resist. change
Humidity Aging	+85 °C, 85% R.H. 1000 hours	± 10% typ. resist. change
Thermal Shock	+85 °C/–40 °C 20 times	± 10% typ. resist. change
Solvent Resistance	MIL-STD-202, Method 215	No change
Vibration	MIL-STD-883C, Method 2007.1, Condition A	No change

Test Procedures And Requirements For Model PFMU Series

Test	Test Conditions	Accept/Reject Criteria
Visual/Mech.	Verify dimensions and materials	Per MF physical description
Resistance	In still air @23 °C	$R_{min} \le R \le R_{max}$
Time to Trip	At specified current, V_{max} 23 °C	T ≤ max. time to trip (sec.)
Hold Current	30 min. at I_{hold}	No trip
Trip Cycle Life	V_{max}, I_{max}, 100 cycles	No arcing or burning
Trip Endurance	V_{max}, 48 hours	No arcing or burning

Electrical Characteristics / Elektrische Daten

Type	I_{max}	V_{max}	I_{hold}	I_{trip}	Initial Resistance	1 Hour (R1) Post-Reflow Resistance	Max. Time to trip at 23 °C/8A		Tripped Power Dissipation
			Amperes at 23 °C		Ohms at 23 °C		Amperes	Seconds	Watts at 23 °C
	A	V	Hold	Trip	$R_{min.}$	$R_{1\ max.}$	at 23 °C	at 23 °C	
PFMU.005.2	10	30	0.05	0.15	2.80	50.0	0.25	1.5	0.8
PFMU.010.2	10	30	0.10	0.30	0.80	15.0	0.5	0.6	0.8
PFMU.020.2	10	30	0.20	0.40	0.40	5.0	8.0	0.2	0.8
PFMU.035.2	40	6	0.35	0.75	0.20	1.30	8.0	0.2	1.0
PFMU.050.2	40	13.2	0.50	1.00	0.18	0.90	8.0	0.1	1.0
PFMU.075.2	40	6	0.75	1.50	0.07	0.45	8.0	0.1	1.2
PFMU.110.2	40	6	1.10	2.20	0.05	0.21	8.0	0.1	1.2

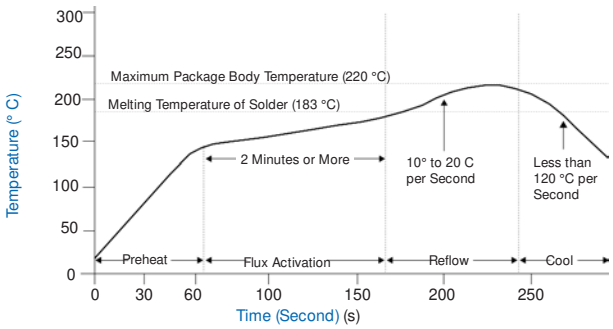
Dimensions

Model	A		B		C		D
	min.	max.	min.	max.	min.	max.	min.
PFMU.005.2	3.00 (0.118)	3.43 (0.135)	2.35 (0.092)	2.80 (0.110)	0.38 (0.015)	0.62 (0.025)	0.30 (0.012)
PFMU.010.2	3.00 (0.118)	3.43 (0.135)	2.35 (0.092)	2.80 (0.110)	0.38 (0.015)	0.62 (0.025)	0.30 (0.012)
PFMU.020.2	3.00 (0.118)	3.43 (0.135)	2.35 (0.092)	2.80 (0.110)	0.38 (0.015)	0.62 (0.025)	0.30 (0.012)
PFMU.035.2	3.00 (0.118)	3.43 (0.135)	2.35 (0.092)	2.80 (0.110)	0.38 (0.015)	0.62 (0.025)	0.30 (0.012)
PFMU.050.2	3.00 (0.118)	3.43 (0.135)	2.35 (0.093)	2.80 (0.110)	0.38 (0.015)	0.62 (0.024)	0.30 (0.012)
PFMU.075.2	3.00 (0.118)	3.43 (0.135)	2.35 (0.092)	2.80 (0.110)	0.38 (0.015)	0.62 (0.025)	0.30 (0.012)
PFMU.110.2	3.00 (0.118)	3.43 (0.135)	2.35 (0.092)	2.80 (0.110)	0.38 (0.015)	0.62 (0.025)	0.30 (0.012)

Packaging: 3000 pcs. per reel

Dimensions in mm/inches

Soldering Profile



Note
- PFMU models can be wave soldered and reworked.

How To Order

PF MU .xxx .x

PTC-Fuse

Style
MU = 1210 Surface Mount Component

Hold Current, I_{hold}
005-110 (0.05 A - 1.10 A)

Packaging
Packaged per EIA 481-1
2 = Tape and reel

Thermal Derating Chart-I_{hold} (Amps)

Type	Ambient Operating Temperature								
	–40 °C	–20 °C	0 °C	23 °C	40 °C	50 °C	60 °C	70 °C	85 °C
PFMU.005.2	0.08	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.02
PFMU.010.2	0.16	0.14	0.12	0.10	0.08	0.07	0.06	0.05	0.04
PFMU.020.2	0.32	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.06
PFMU.035.2	0.47	0.45	0.40	0.35	0.33	0.28	0.24	0.21	0.18
PFMU.050.2	0.76	0.67	0.58	0.50	0.43	0.40	0.36	0.32	0.28
PFMU.075.2	1.00	0.97	0.86	0.75	0.64	0.59	0.54	0.48	0.40
PFMU.110.2	1.60	1.42	1.26	1.10	0.94	0.86	0.80	0.70	0.58