

2410BP Series

Power Battery Packs Protection High I²t Fuses



Descriptions

- Design for power battery packs overload and short circuit protection
- Surface mount deign to save space
- · Ceramic Sugare body with Silver plated end cap
- Designed to UL248-1
- · Fully compatible with lead-free solder and high temperature profile associated with lead-free assembly

Electrical Characteristics

Amp Rating	% of Amp Rating	Opening Time		
20~40A	100%	4 Hours Min.		
	200%	< 60 Seconds		

Features

- High I²t surface mount fuses Compatible
- with reflow and wave solder Excellent
- environmental integrity
- High reliability and resilience
- RoHS compliant and Halogen Free
- · Wide operating temperature range
- Strong arc suppression characteristics

Appications

- Power battery protection
- Test equipmentPower supplies
- Game systems Industrial equipment
- Telecom system

Specifications

Part Number	Ampere Rating (A)	Voltage Rating (Vdc)	Interrupting Rating	Typical Cold Resistance (Ohms)	Typical Melting I ² t (A ² Sec)	Typical Voltage Drop (V)
2410BP-20A	20	72	72V@500A	0.0023	210	0.060.
2410BP-25A	25	72	72V@500A	0.0017	400	0.055
2410BP-30A	30	72	72V@500A	0.0012	900	0.050
2410BP-40A	40	63	63V@500A	0.0009	1600	0.050

• DC Interrupting Rating - Measured at designated voltage, time constant < 50 microseconds.

• DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25°C.

• Typical Melting I²t measured at 10In Current.

• Typical Voltage Drop measured at rated current after temperature has stabilized.

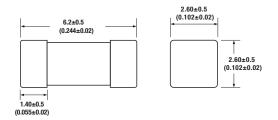


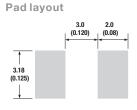
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Dimension

Unit: mm/inch



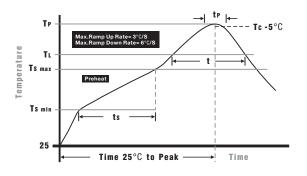


Note: Minimum copper layer thickness = 100um. Recommend solder thickness is 0.15mm.

Packaging

- Quantity: 1,000pcs
- 12mm wide tape on 178mm(7 inch) diameter reel -specification EIA Standard 481.

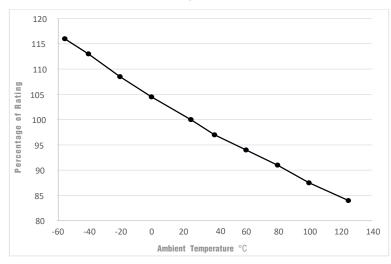
Soldering Parameters



Wave Soldering: 260°C, 10 seconds max. Infrared Reflow: 260°C, 30 seconds max.

IR Reflow Profile					
150°C 200°C 60 -120 seconds					
3°C/second max.					
217°C 60 - 150 seconds					
260+0/-5°C					
10 – 30 seconds					
6°C/second max.					
8 minutes max.					

Temperature Derating Curve



 Normal Operating Temperature: 25 C ± 2 C
Operating Temperature: -55 C to 125 C with proper correction factor applied. Chart of correction factor
Storage Temperature: -55 C to 125 C

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B 25A 10000 1000 100 **Time in Seconds** 10 1 0.1 0.01 10 100 1000

Average Time Current Curves

Current in Amperes

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Rev.20190132C1.0

单击下面可查看定价,库存,交付和生命周期等信息

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