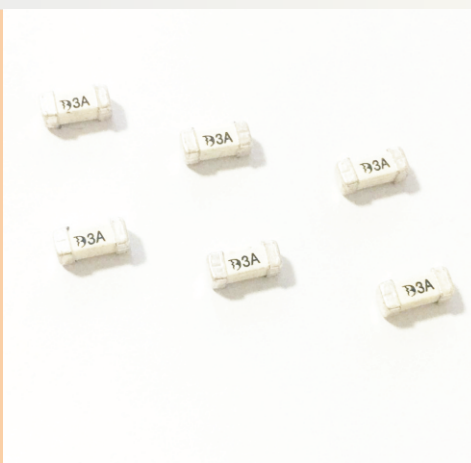


BDT-FUSE PRODUCT DATASHEET



BFS 2410 慢断 Series Surface Mount PTC Devices



SCOPE

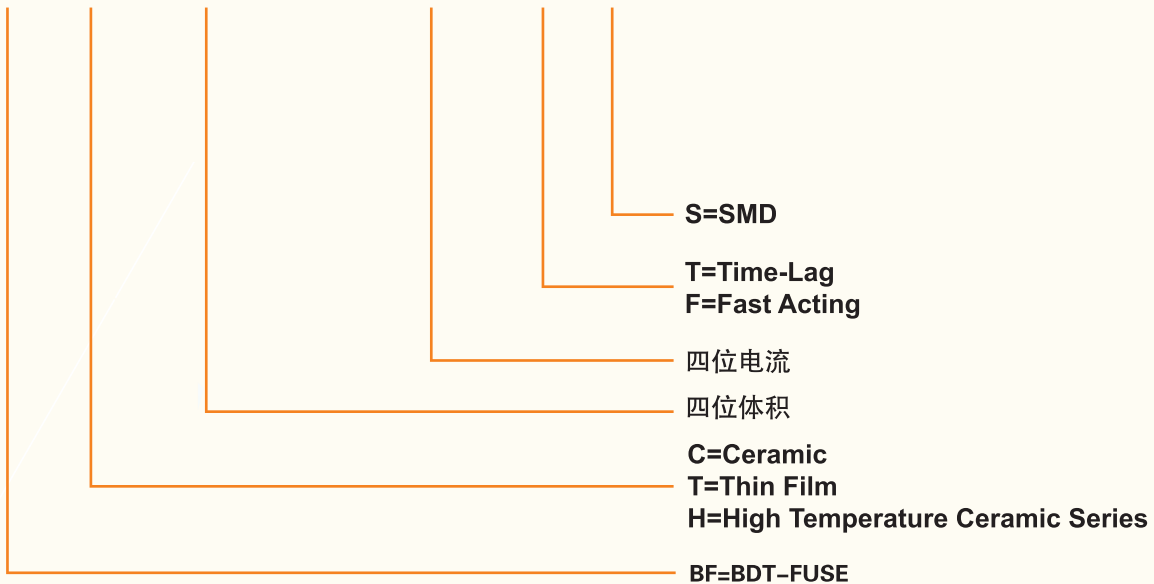
- Notebook PC
- LCD/PDF TV
- LCD/PDP panel
- LCD monitor
- LCD backlight inverter
- Portable DVD player
- Power supply
- Networking
- PC server
- Cooling fan system
- Storage system
- Telecom system
- Wireless base station
- White goods
- Game console
- Automotive
- Battery charging circuit
- Office Automation
- Industrial equipment
- Medical equipment

AGENCY

AGENCY FILE NUMBER

PART NUMBERING

BF S 2410 - XXXX T S



RATED CURRENT AND RATED VOLTAGE

- Rated Current 10mA—15A
- Rated Voltage 250V AC /12A-15A@125V AC /20A-30A@72V AC

MARKING

The fuses shall have the following marking

- Manufacturing factory mark & logo :
 - Rated Current(A):_mA / _A
 - Electrical characteristics: T
- Note
There is no provision on label size and position

APPEARANCES AND CONFIGURATION

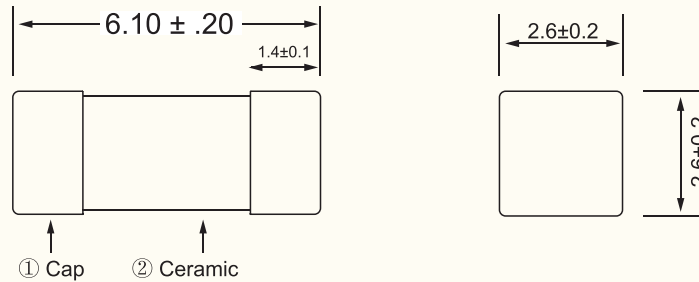
- Appearance : No significant stains, rust or crack, mark should be easy to recognize.
- Shape: Surface Mount Fuse

Performance Specification

Part Number	Rated Current (A)	Max Voltage Rating(V)	Interrupting Rating	Nominal Cold Resistance (ohms)	Nominal Melting I ² t (A ² sec)
BFS2410-0100T	0.10			3.100	0.00138
BFS2410-0250T	0.25			0.860	0.145
BFS2410-0500T	0.50			0.320	0.275
BFS2410-0750T	0.75			0.175	1.240
BFS2410-1100T	1.00			0.148	3.500
BFS2410-1150T	1.50			0.085	6.305
BFS2410-1200T	2.00			0.044	8.950
BFS2410-1250T	2.50			0.043	16.025
BFS2410-1300T	3.00	250V	50A@250V	0.033	21.560
BFS2410-1315T	3.15			0.029	22.750
BFS2410-1350T	3.50			0.027	27.050
BFS2410-1400T	4.00			0.025	31.808
BFS2410-1500T	5.00			0.019	40.250
BFS2410-1600T	6.00			0.018	67.245
BFS2410-1630T	6.30			0.017	107.550
BFS2410-1700T	7.00			0.015	132.780
BFS2410-1800T	8.00			0.007	235.180
BFS2410-2100T	10.0			0.007	270.500
BFS2410-2120T	12.0			0.007	331.520
BFS2410-2150T	15.0			0.006	375.660
BFS2410-2200T	20.0			0.0023	210
BFS2410-2250T	25.0			0.0017	400
BFS2410-2300T	30.0			0.0012	900

OUTLINE DRAWING AND STRUCTURE

- Outline Drawing and dimensions (unit : mm)



- Structure

NO.	Component	Material	Quantity
①	Cap	Silver Plated Brass	2
②	Body	Ceramic tube	1

PRODUCT CHARACTERISTICS

No.	Item	Contain	Reference standard
1	Insulation Resistance	10,000 ohms minimum	MIL-STD-202G, Method 302 Test Condition A
2	Solderability	T=235°C±5°C, t=5+0/-0.5s, Cover ≥ 95%	MIL-STD-202G, Method 208H
3	Resistance to Soldering Heat	10 sec at 260°C	MIL-STD-202G, Method 210F Test Condition B
4	Thermal Shock	5 cycles, -65°C to 125°C, 15 minutes @ each extreme	MIL-STD-202G, Method 107G Test Condition B
5	Mechanical Shock	100G's peak for 6 milliseconds, 3 cycles	MIL-STD-202G, Method 213B Test 1
6	Vibration	0.03" amplitude, 10-55 Hz in 1 min. 2hrs each XYZ=6hrs	MIL-STD-202G, Method 201A
7	Moisture Resistance	10 cycles	MIL-STD-202G, Method 106G
8	Salt spray	48hrs	MIL-STD-202G, Method 101E Test Condition B

ELECTRICAL CHARACTERISTICS

- Pre-Arcing Time / Current Characteristics:

Ampere Rating	% of Ampere Rating	Opening Time
10mA – 30A	100%	4 hours, Minimum
	200%	1s Minimum 60s Maximum
	300%	0.2 s Minimum 3s Maximum
	800%	0.02s Minimum 0.1s Maximum

- Breaking Capacity

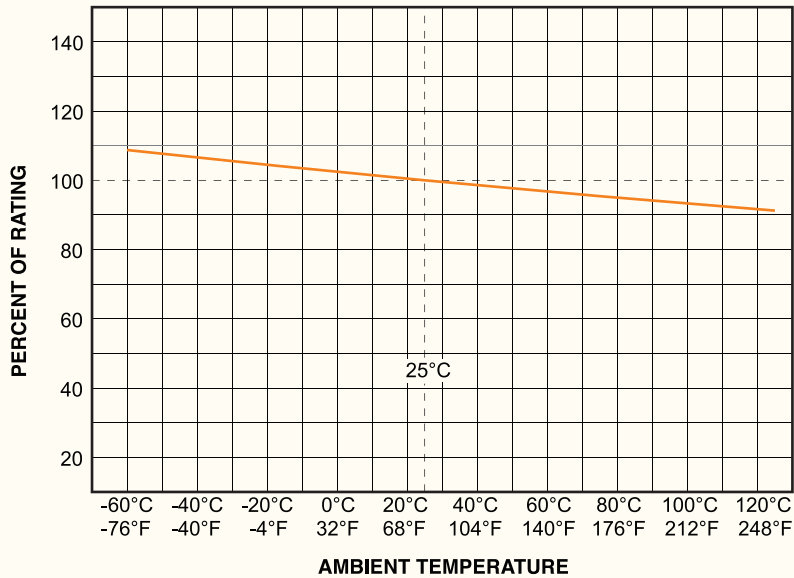
10mA-15A : 50A@250V AC/100A@125V AC
 20A-30A:500A@72V AC

ENVIRONMENTAL CHARACTERISTIC

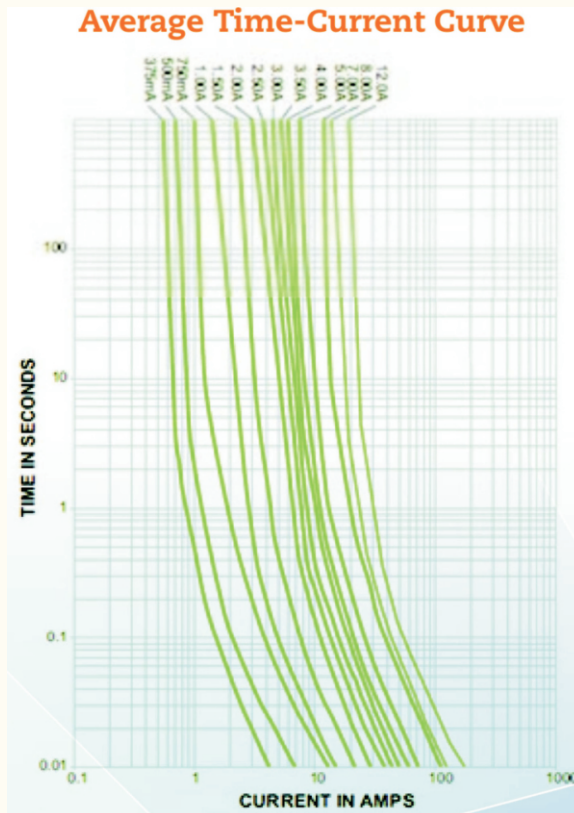
- Operating temperature range : -55°C to 125°C
- Company operating temperature of the environment more than 25+/-5°C, in the selection of fuse specifications, it needs to consider the impact of the operating environment of the temperature fuse. Photo: temperature derating curve.

Temperature Derating Curve

Test

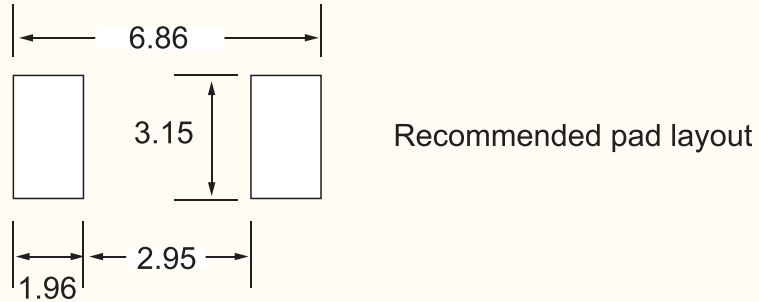


Average Time-Current Curve

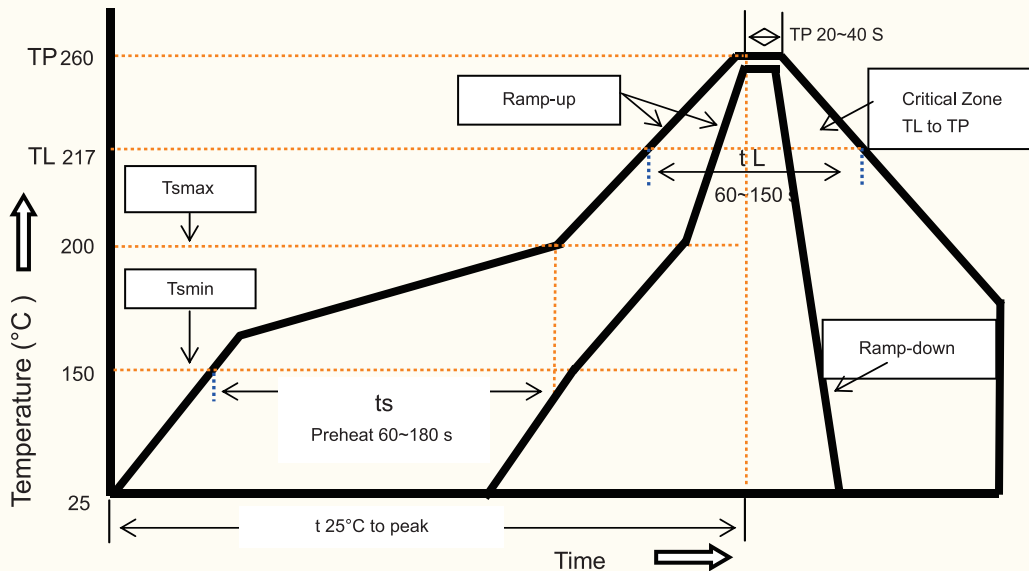


INSTALLATION WAY AND PARAMETERS

- Propose that the following picture installation way is installed and satisfied the required size.



- Recommended Customer Soldering Parameters



	Reflow Condition	Pb-Free assembly
Preheating	Temperature Min Ts(min)	150 C
	Temperature Max Ts(max)	200 C
	Time Max	120 secs
Soldering	Temperature (TL)(Liquidus)	260 C
	Time Max (TL)	60 secs
	Temperature (TP)	Max 260 C
	Time Max (TP)	10 secs

OTHER NOTICE IN USED

- It could be in conformance with another file which made by our company.

PACKING

- Packing Quantity
- 1000 fuses each disc

OTHERS

- If in use beyond the requirements of the specifications, must pass through the mutual confirmation!
- If the specification is not appropriate, must through consultation between the two sides and by the company to modify.