

SMT Circuit Protector 968-833 to 948

Surface Mount Over Current Protection

3216CP



CATALOG SYMBOL: 3216CP

VOLTAGE RATING: 24 VDC

INTERRUPTING RATING:

35 Amp DC, Battery Source

INTERRUPTION TIME:

10 Sec. Max. @ 250% Rated Current
1 mSec. Typ. @ 600% Rated Current

PHYSICAL SIZE:

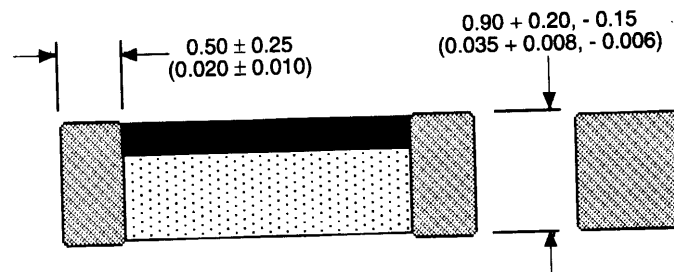
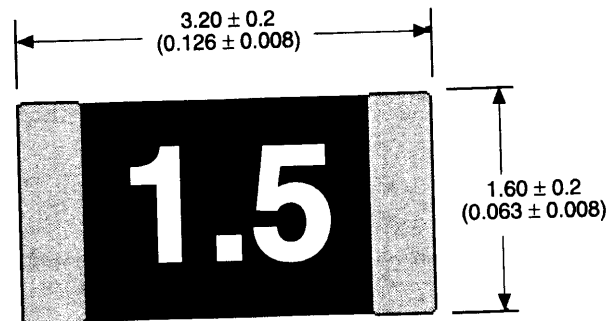
EIA SOCM-3216AC (equivalent to 1206)
3.2 x 1.6 x 0.90 mm
0.126 x 0.0634 x 0.035"

AGENCY APPROVALS:

UL Recognition
(File E19180, Guide JDYX2)
CSA Component Acceptance
(File 53787, Class 1422-30)

- Rapid Interruption of Excessive Current
- Compatible with Reflow and Wave Solder
- Rugged Ceramic and Glass Construction
- Excellent Environmental Integrity
- One Time Positive Disconnect

DIMENSIONS - mm (inches)



ELECTRICAL CHARACTERISTICS

Part Number (XX= Package Code)	Current Rating (Amperes)	Typ. Resistance @ ≤10% Rated Current (Ohms)	Typical Voltage Drop @ Rated Current (Volts)
XX/3216CP-250mA	.250	4.50	1.4
XX/3216CP-375mA	.375	1.80	.73
XX/3216CP-500mA	.500	1.15	.66
XX/3216CP-750mA	.750	.75	.63
XX/3216CP-1A	1	.68	.60
XX/3216CP-1.5A	1.5	.58	.52
XX/3216CP-2A	2	.50	.46
XX/3216CP-2.5A	2.5	.44	.41
XX/3216CP-3A	3	.39	.36
XX/3216CP-4A	4	.34	.32
XX/3216CP-4.5A	4.5	.31	.29
XX/3216CP-5A	5	.29	.28

NOTES:

1. Device designed to carry rated current for four hours minimum. An operating current of 80% or less of rated current is recommended, with further derating required at elevated ambient temperatures.
2. All measurements made at 23 ± 3°C ambient temperature with the device mounted on a suitable circuit board trace.
3. It is recommended that circuit protectors be mounted with glass side facing up.



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SMT Circuit Protector

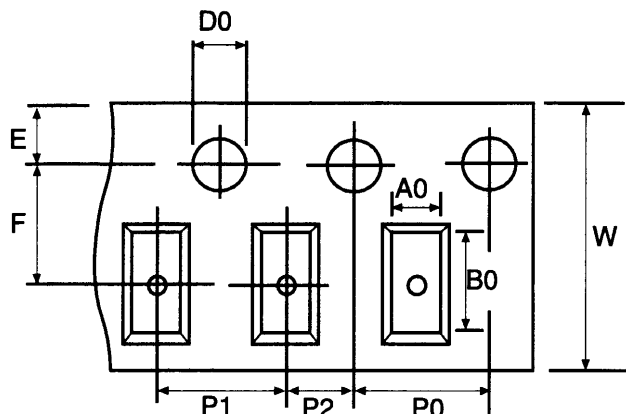
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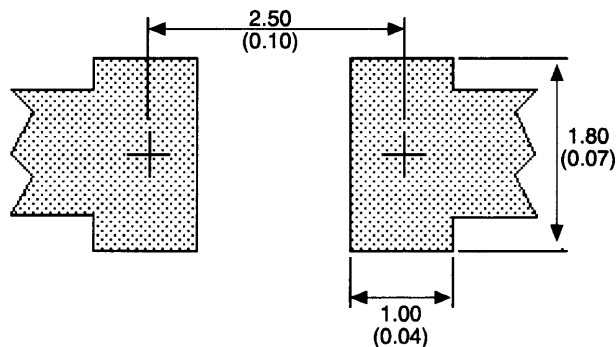


Packaging Information

Tape and reel: standard 8mm tape, in compliance with EIA - RS481 (equivalent to IEC 286, Part 3).
 Code: TR = 3,000 pcs in tape on a 178mm reel.
 TR1 = 15,000 pcs in tape on a 330mm reel.
 SP = 50 pcs on tape in a plastic box.



RECOMMENDED LAND PATTERN - mm (inches)



Tape dimensions - mm	
W	8.0 + 0.3/0.1
F	3.5 ± 0.05
E	1.75 ± 0.1
P2	2.0 ± 0.05
P0	4.0 ± 0.1
P1	4.0 ± 0.1
A0	1.73 ± 0.2
B0	3.56 ± 0.2
DO	1.5 + 0.1/ -0.0

Environmental Specifications

Operating Temperature Range:

-55 to +125° C, with proper derating.

Thermal Shock:

MIL-STD-202, Method 107, Test Condition B (-65 to 125° C).

Vibration:

MIL-STD-202, Method 204, Test Condition C (55 to 2000Hz, 10 G).

Solderability:

Withstands 60 seconds above 200° C, 260° C maximum.

Moisture Resistance:

MIL-STD-202, Method 106, 10 day cycle.

This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.



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