

SMT Circuit Protector

Surface Mount Over Current Protection

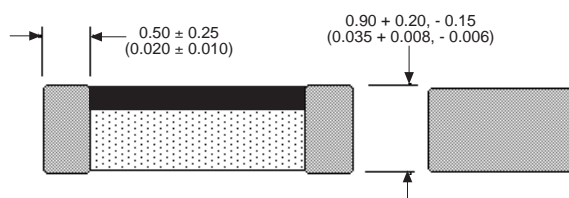
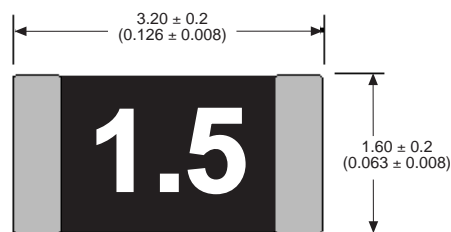
3216CP



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-3216 AC (equivalent to 1206)
 3.2 × 1.6 × 0.90mm
 0.126 × 0.0634 × 0.035 in.
 Agency Approvals:
 UL Recognition, Std. 248-14, File E19180, Guide JDYX2
 CSA Component Acceptance, File 53787, Class 1422-30
 General Information:

- 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)



Packaging and Ordering Information:

Tape and Reel: Standard 8mm tape, in compliance with EIA-RS481 (equivalent to IEC 286, Part 3).

	3216CP	(See Table)
	Product Symbol	Rated Current

Package Code
TR = 3,000 pieces on tape on a 178mm reel.
TR1 = 15,000 pieces on tape on a 330mm reel.
SP = 50 pieces on tape in a plastic box.
 Contact Bussmann if other package quantities are required.

Electrical Characteristics

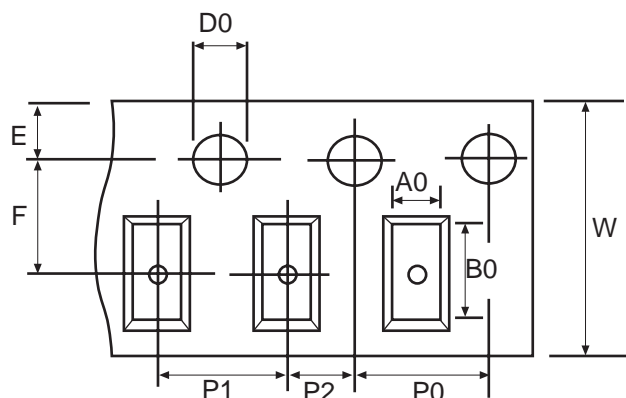
Part Number (XX= Package Code)	Current Rating (Amperes)	Typ. Resistance @ ≤ 10% Rated Current (Ohms)	Typical Voltage Drop @ Rated Current (Volts)
XX/3216CP-250mA	.250	4.50	1.4
XX/3216CP-375mA	.375	1.80	.73
XX/3216CP-500mA	.500	1.15	.66
XX/3216CP-750mA	.750	.75	.63
XX/3216CP-1A	1	.168	.20
XX/3216CP-1.5A	1.5	.098	.18
XX/3216CP-2A	2	.063	.16
XX/3216CP-2.5A	2.5	.046	.14
XX/3216CP-3A	3	.037	.13
XX/3216CP-4A	4	.019	.11
XX/3216CP-4.5A	4.5	.014	.10
XX/3216CP-5A	5	.013	.09

- General 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.
 4. It is recommended that fuses be mounted with ceramic (white) side facing up.
 5. Contact Bussmann if higher ampere ratings are needed.

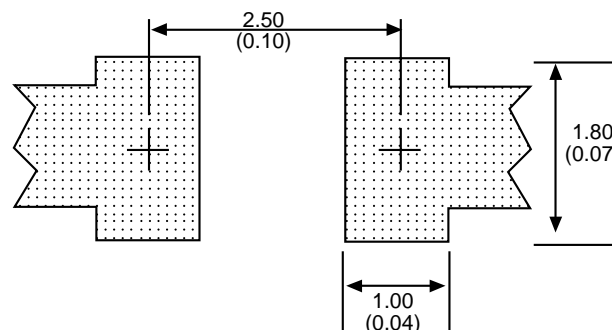
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Recommended Land Pattern - mm (inches)



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
AO	1.73 ± 0.2
BO	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.

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