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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: VLP220ULF

DOCUMENT: SCD27297

PCN: C31003 REV LETTER: B

REV DATE: MAY 11, 2011

PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating Operating Voltage: 16Vdc

Operating Voltage: 16Vdc Interrupt Current: 60A

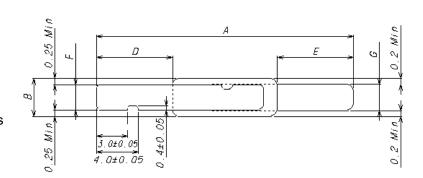
Chip Size: 3.6 X 10 mm

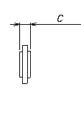
Leads: Nickel 1/4H

0.125mm nominal thickness

Solder: Lead-free

Tape: None





*Dimensions on the drawing are for reference only.

Marking: None

TABLE I. DIMENSIONS:

| | Α | | В | | С | | D | | Е | | F | | G | |
|------|-------|-------|-------|-------|-----|-------|------|------|------|------|-------|-------|-------|-------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | 23.6 | 25.6 | 3.55 | 3.65 | | 0.7 | 6.8 | 7.8 | 6.8 | 7.8 | 2.35 | 2.45 | 2.45 | 2.55 |
| In*: | 0.944 | 1.024 | 0.142 | 0.146 | | 0.028 | 0.27 | 0.31 | 0.27 | 0.31 | 0.094 | 0.098 | 0.098 | 0.102 |

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS: As measured in Mueller Kelvin Clips model BU-75K.

| ı | I HOLD | CURRENT TRIP LIMITS | | | | | | | | | TO | REFERENCE | | ONE-HOUR | | TRIPPED- |
|---|--------|---------------------|------|---------|------|---------|------|------|------|-------------|------------|------------|-------|------------|-------|-------------|
| ı | | | | | | | | | | | ΙP | RESISTANCE | | POST-TRIP | | STATE |
| ı | | | | | | | | | | | | | | RESISTANCE | | POWER |
| ı | | | | | | | | | | | | | | | | DISSIPATION |
| ı | AMPS | AMPS | | AMPS | | AM | AMPS | | AMPS | | SECONDS AT | | OHMS | | MS | WATTS AT |
| ı | 25°C | AT 0°C | | AT 25°C | | AT 60°C | | AT°C | | 25°C, 11.0A | | AT 25°C | | AT 25°C | | 25°C, 16V |
| ı | HOLD | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | MIN | MAX | MIN | MAX | MIN | MAX | MAX |
| ı | 2.2 | 3.0 | 7.0 | 2.2 | 5.3 | 1.1 | 3.1 | | | | 5.0 | 0.017 | 0.029 | 0.017 | 0.058 | 1.8 |

Recognitions: UL, TUV, CSA

Reference Documents: PS300

Precedence: This specification takes precedence over documents referenced herein.

Effectivity: Reference documents shall be the issue in effect on the date of invitation for bid.

CAUTION: Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

Materials Information:

ROHS Compliant ELV Compliant Pb-Free

Directive 2000/53/EC Compliant Directive 2002/95/EC Compliant



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