

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT : VTP175F

DOCUMENT: SCD26191
PCN: A57199
REV LETTER: C
REV DATE: MAY 11, 2011
PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating

Operating Voltage: 16Vdc
Interrupt Current: 100A

Chip Size: 3.6 x 10mm

Lead: Nickel 1/4H
0.125mm nominal thickness

Solder: Lead-free

Tape: Polyester
11mm nominal width

Marking: (Color: Green)

— Manufacturer's Mark
XX V1X — Part Identification
□□□□ — Lot Identification

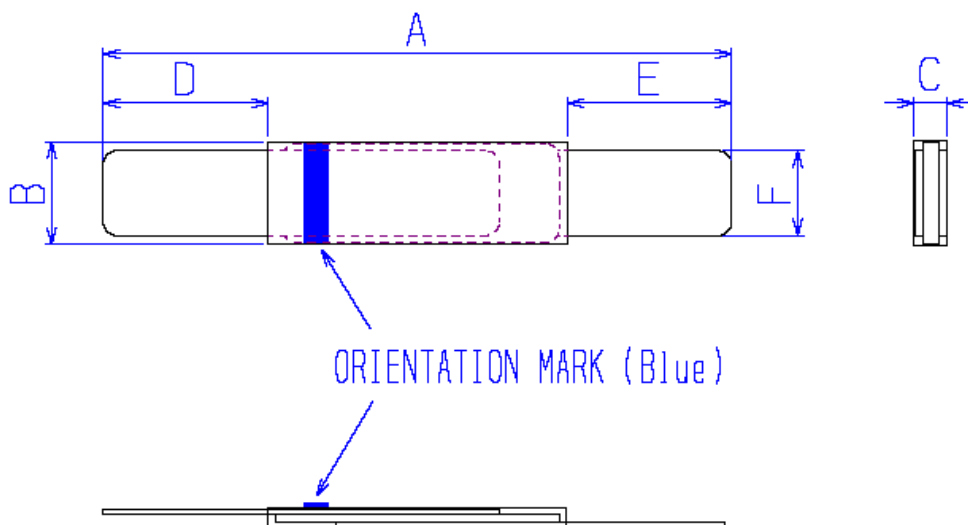


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | | F | | G | |
|------|--------|--------|--------|--------|-----|--------|--------|--------|--------|--------|--------|--------|-----|-----|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | 21.2 | 23.2 | 3.5 | 3.9 | -- | 0.8 | 4.6 | 6.6 | 4.6 | 6.6 | 2.9 | 3.1 | -- | -- |
| in*: | (0.83) | (0.91) | (0.13) | (0.15) | -- | (0.03) | (0.18) | (0.26) | (0.18) | (0.26) | (0.11) | (0.12) | -- | -- |

*Rounded off approximation

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

| I HOLD | CURRENT TRIP LIMITS | | | | | | | | TIME TO TRIP | | REFERENCE RESISTANCE | | ONE-HOUR POST-TRIP RESISTANCE | | TRIPPED-STATE POWER DISSIPATION |
|----------------------|-------------------------------|-----|--------------------------------|-----|--------------------------------|-----|---------------------------------|-----|--|---|------------------------------|-------|-------------------------------|-------|---------------------------------|
| AMPS 25°C HOLD | AMPS AT 0°C HOLD TRIP | | AMPS AT 25°C HOLD TRIP | | AMPS AT 60°C HOLD TRIP | | AMPS AT ---°C HOLD TRIP | | SECONDS AT 25°C, 8.75A MIN MAX | | OHMS AT 25°C MIN MAX | | OHMS AT 25°C MIN MAX | | WATTS AT 25°C, 16V MAX |
| 1.75 | 2.2 | 4.7 | 1.75 | 3.6 | 0.8 | 1.9 | --- | --- | --- | 5 | 0.029 | 0.051 | 0.029 | 0.102 | 1.4 |

Agency Recognitions:
Reference Documents:
Precedence:
Effectivity:
CAUTION:

UL, TUV, CSA
PS300

This specification takes precedence over documents referenced herein.
Reference documents shall be the issue in effect on the date of invitation for bid.
Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

Materials Information:

ROHS Compliant

Directive 2002/95/EC
Compliant

ELV Compliant

Directive 2000/53/EC
Compliant

Pb-Free

