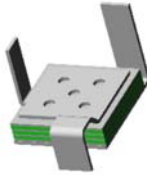


PTVS65CA Transient Voltage Suppressor



Features

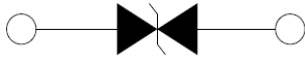
- High surge current capability
- Bi-directional TVS
- Glass passivated junction
- Low clamping voltage under surge

Typical Applications

- High power DC bus protection

Mechanical Data

- Package: PT01



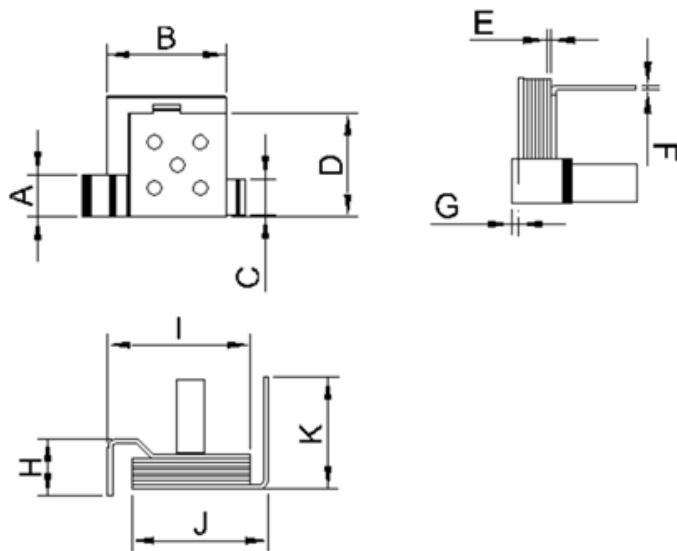
■ Maximum Ratings (T_a=25°C Unless otherwise specified)

| PARAMETER | SYMBOL | UNIT | VALUE |
|---|------------------|------|-----------|
| Peak pulse current rating per 8/20μs IEC 61000-4-5 | I _{pp} | A | 15000 |
| Storage temperature | T _{stg} | °C | -55 ~+125 |
| Junction temperature | T _j | °C | -55 ~+125 |

■ Electrical Characteristics (T_A=25°C unless otherwise noted)

| Part Number (Uni) | Breakdown Voltage V _{BR} @I _T | | | Maximum Reverse Leakage I _R @V _{RWM} (μA) | Working Peak Reverse Voltage V _{RWM} (V) | Maximum Clamping Voltage V _c @ IPP (V) |
|----------------------|---|---------|------------------------|---|---|---|
| | Min (V) | Max (V) | I _T (mA) | | | |
| PTVS65CA | 70 | 80 | 10 | 1 | 65 | 120 |

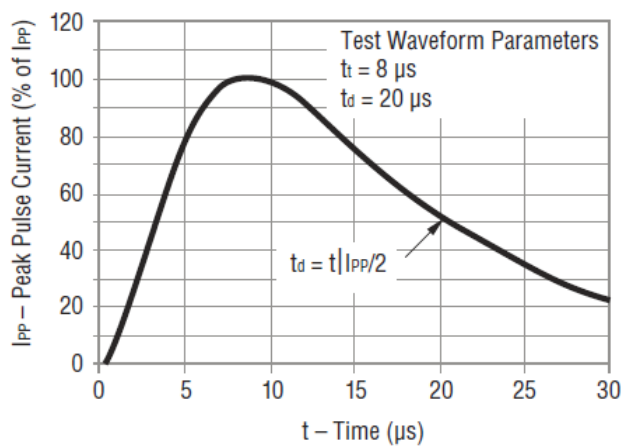
■ Outline Dimensions (mm)



| PTVS | | |
|------|-------|-------|
| Dim | Min | Max |
| A | 4.50 | 4.70 |
| B | 12.85 | 13.15 |
| C | 3.90 | 4.10 |
| D | 11.15 | 11.45 |
| E | 0.35 | 0.45 |
| F | 0.45 | 0.55 |
| G | 0.72 | 0.82 |
| H | 6.60 | 6.80 |
| I | 15.50 | 15.70 |
| J | 14.90 | 15.10 |
| K | 12.20 | 12.40 |

■ Performance Graphs

Current 8/20us Waveform per IEC 6100-4-5



Disclaimer

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