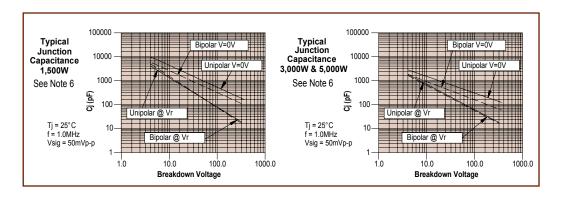
MIL-DTL-38999 Series III Type TVS Connectors **TVS Diode Power Selection Chart Typical Junction Capacitance**



| Table IV: TVS Diode Power Selection Chart | | | | | |
|--|-------|---|-----------------------------|-----------------------------|---|
| RTCA DO-160 Waveform | Level | Open Circuit Voltage/ Short Circuit Voltage V/A | Reverse Standoff Voltage | Maximum Clamping Voltage | Recommended Minimum Diode Power (Watts) |
| 3 Damped Sine | 1 | 100/4 | 5 to 60 | 9.2 to 96.8 | 600 |
| | 2 | 250/10 | 5 to 150 | 9.2 to 243 | 600 |
| | 3 | 600/24 | 5 to 170 | 9.2 to 275 | 600 |
| 0 -25% To 75% Of Largest Peak 0 T | 4 | 1500/60 | 5 to 54 | 9.2 to 87.1 | 600 |
| | | | 58 to 150 | 93.6 to 243 | 1,500 |
| | | | 160 to 170 | 259 to 275 | 3,000 |
| | 5 | 3200/128 | 5 to 22 | 9.2 to 35.5 | 600 |
| | | | 24 to 60 | 38.9 to 96.8 | 1,500 |
| | | | 64 to 130 | 103 to 209 | 3,000 |
| | | | 150 to 170 | 243 to 275 | 5,000 |
| Waveform 4 Double Exponential 6.4×69 usec Peak $T1 = 6.4$ usec $\pm 20\%$ $T2 = 69$ usec $\pm 20\%$ 1 1 1 1 1 1 1 1 | 1 | 50/10 | 5 to 30 | 9.2 to 48.4 | 600 |
| | 2 | 125/25 | 5 to 75 | 9.2 to 121 | 600 |
| | 3 | 300/60 | 5 to 17 | 9.2 to 27.6 | 600 |
| | | | 18 to 26 | 29.2 to 42.1 | 3,000 |
| | | | 28 to 110 | 45.4 to 177 | 5,000 |
| | | | 120 to 170 | 193 to 275 | 15,000* |
| | 4 | 750/150 | 5 to 8.5 | 9.2 to 14.4 | 3,000 |
| | | | 9 to 60 | 15.4 to 96.8 | 5,000 |
| | | | 64 to 170 | 103 to 275 | 15,000* |
| | 5 | 1600/320 | 5 to 24 | 9.2 to 38.9 | 5,000 |
| | | | 26 to 78 | 42.1 to 126 | 15,000* |
| | | | 90 | 147 | 30,000* |
| Vaveform 5A i/v Peak 50% 0 1 1 1 1 1 2 1 2 1 2 0 1 1 2 2 0 2 0 2 2 0 2 2 0 2 0 2 2 0 2 2 0 2 2 0 2 2 0 2 2 0 2 2 0 2 2 0 2 2 0 2 2 2 0 2 2 2 2 2 2 2 2 2 2 2 2 2 | 1 | 50/50 | 5 to 30 | 9.2 to 48.4 | 1,500 |
| | 2 | 125/125 | 5 to 75 | 9.2 to 121 | 3,000 |
| | 3 | 300/300 | 5 to 15 | 9.2 to 24.4 | 3,000 |
| | | | 17 to 170 | 26.7 to 275 | 15,000* |
| | | | 180 | 291 | 30,000* |
| | 4 | 750/750 | 17 to 22 | 26.7 to 35.5 | 15,000* |
| | | | 30 to 48 | 55.2 to 77.4 | 30,000* |
| | 5 | 1600/1600 | | N/A | |
| *Concult factory for Diado Dower Da | | 00011/ | | | |

*Consult factory for Diode Power Ratings above 5,000W



Dimensions in inches (millimeters) and are subject to change without notice. U.S. CAGE Code 06324

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TVS Connectors