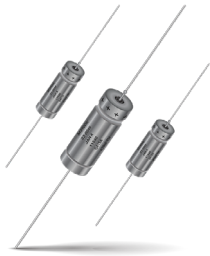


TWA SERIES

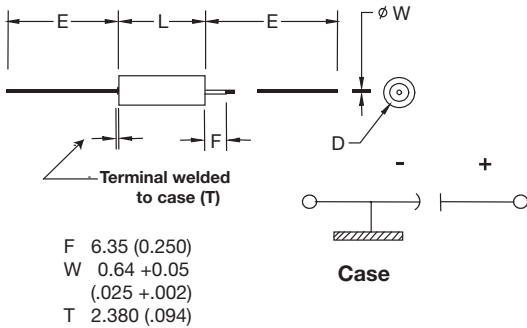
MIL-PRF-39006/33 Series – Military Conventional Wet Tantalum



GENERAL DESCRIPTION

This data sheet contains the MIL-PRF-39006 ratings for which KYOCERA AVX is a qualified approved supplier. This will be continually updated as the qualification expands. This design is an axial leaded tubular case. It includes a welded tantalum can and header assembly that provides a hermetic seal to withstand harsh environments. The 1000 hour failure rates of 1%, 0.1% and 0.01% correspond to "M", "P", and "R" respectively. For details on testing conditions please refer to MIL-PRF-39006.

OUTLINE DIMENSIONS



CURRENTLY QUALIFIED M39006 RATINGS INCLUDE T3-T4 CASE SIZE:

| | M Level Reliability Dashes | P Level Reliability Dashes |
|-----------|-------------------------------|-------------------------------|
| M39006/33 | 25V-75V | 25V-75V |

CASE DIMENSIONS: Millimeters (inches)

| DLA Case Size | Case Size | L +0.79 (0.031) -0.41 (0.016) | D Basic Case ±0.41 (0.016) | D Insulated Case Max | E ±6.35 (0.250) |
|---------------|-----------|-------------------------------------|----------------------------------|----------------------------|--------------------|
| T3 | D | 19.46 (0.766) | 9.52 (0.375) | 10.31 (0.406) | 57.15 (2.250) |
| T4 | E | 26.97 (1.062) | 9.52 (0.375) | 10.31 (0.406) | 57.15 (2.250) |

VOLTAGE RATINGS (Operating Temperature -55°C to 125°C)

| Voltage (DC) | | | | | | | | | | | | |
|------------------------------------|-------|-----|-----|------|------|------|------|------|----|------|-----|-----|
| Rated Voltage: (V _r) | 85°C | 6 | 8 | 10 | 15 | 25 | 30 | 50 | 60 | 75 | 100 | 125 |
| Derated Voltage: (V _d) | 125°C | 4 | 5 | 6 | 10 | 15 | 20 | 30 | 40 | 50 | 65 | 85 |
| Surge Voltage: (V _s) | 85°C | 6.9 | 9.2 | 11.5 | 17.3 | 28.8 | 34.5 | 57.5 | 69 | 86.3 | 115 | 144 |

HOW TO ORDER MILITARY M39006 PART NUMBER:

