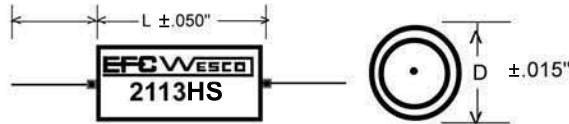




2113HS Hermetically Sealed

Metallized Polyphenylene Sulfide Capacitors

Lead Spec.
Tinned Copper
#24 AWG (.020) - .195" dia
#22 AWG (.025) - .235 & .312
#20 AWG (.031) - .400" dia & up

**Dielectric Withstanding Voltage:**

200% of rated voltage applied through a minimum limiting resistance of 100 Ohms/volt. Duration of voltage stress shall be 15 seconds minimum and 1 minute maximum at 25°C.

Temperature Range:

-55°C to +125°C with full rated voltage applied.

Insulation Resistance:

At 25°C after 2 minutes of electrification at rated voltage or 500 VDC, whichever is less, the minimum product of Insulation Resistance and Capacitance shall be 50,000 megohms-microfarads, but need not exceed 50,000 megohms.

Dissipation Factor:

Shall not exceed 0.3% when measured at 25°C and 1000Hz, ±20 Hz.

Capacitance and Tolerance:

Shall be measured within the tolerance limits specified. Measurements will be made at 25°C and 1000 Hz, ±20 Hz.

Life Test:

Shall withstand 140% of rated voltage at 85°C for 250 hours. One failure in twelve shall be permitted. Failure is described as catastrophic (open or short).

Capacitance Stability (Drift):

Less than 0.3% when measured in the following manner: three capacitance readings at 25°C, each made prior to and after temperature cycling from room to 85°C, and room to -55°C. The mathematical difference between the two extremes, divided by intermediate value, and then multiplied by 100, yields the stability expressed in percent.

Humidity Resistance:

Capable of meeting requirements of Mil-C-19978 and Mil-C-39022 when tested in accordance with Method 106 of Mil-STD-202.

Lead Pull and Bend Test:

Steady pull of 5 pounds axially to leads for one minute. Bend test shall consist of one bend from the point of egress, first 90° in one direction, back to the original axial position, and then 90° in the opposite direction with no evidence of breakage.

Features:

Hermetically sealed. Low dissipation factor. Extended foil design. Excellent stability. Quality control procedures per Mil-Q-9858.

Applications:

Data processing equipment, aircraft and missile systems, industrial instrumentation, navigation and distance measuring equipment, communications equipment.