**SPECIFICATIONS**

**ELECTRICAL**
- **FREQUENCY RANGE:** DC - 27 GHz
- **VSWR:** SEE TABLE
- **IMPEDANCE:** 50 OHMS
- **TEMPERATURE RANGE (°C):** -55 TO +125
- **POWER (AVG):** 1 WATTS (POWER DERATES LINEARLY FROM +45°C TO <10% @+125°C)
- **POWER (PEAK):** 500 WATTS (<5 µ SEC PW, <1% DUTY CYCLE)
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**MECHANICAL**
- **INNER CONDUCTOR:** BERYLLIUM COPPER PER ASTM B196 & B197.
- **OUTER CONDUCTOR:** STEEL, CORROSION RESISTANT PER ASTM A484 & A582, CLASS 303, COND. A.
- **DIELECTRIC:** TEFILON PER ASTM D1710.
- **FINISH**
  - **INNER CONDUCTOR:** GOLD PLATED PER MIL-PRF-39012.
  - **HOUSING/COUPLING NUT FINISH PER SUFFIX (REPLACING -0X IN P/N)**
    - 00 OUTER CONDUCTOR/NUT GOLD PLATED
    - 02 OUTER CONDUCTOR/NUT PASSIVATED SS
    - 01 OUTER CONDUCTOR GOLD PLATED, NUT PASSIVATED SS
  - ADD C FOR 2-2.5" CHAIN ATTACHED
  - CONNECTOR INTERFACE COMPLIES WITH MIL-PRF-39012 AND MIL-STD-348 FOR SMA MATING CHARACTERISTICS.
- **RoHS COMPLIANT DEVICE**
- **MARKING**
  - **PART LOOKS LIKE PRODUCT IMAGE ABOVE.**
  - **PART MARKING ORIENTATION AND FORMAT AS SHOWN.**
  - **MARKING TO BE AS LARGE AS POSSIBLE, CLEAR AND READABLE.**
  - **YYWW EQUALS DATE CODE.**

**FREQUENCY** (GHz) | **VSWR** DC-4 (GHz) | **VSWR** 4-12.4 (GHz) | **VSWR** 12.4-18 (GHz) | **VSWR** 18-26.5 (GHz) | **PART NUMBER**
--- | --- | --- | --- | --- | ---
DC-4.0 | DC-1 1.05:1 2-4 1.10:1 | - | - | - | 2003-6151-0X
DC-12.4 | 1.05:1 1.10:1 | - | - | - | 2003-6151-0X
DC-18.0 | 1.05:1 1.10:1 1.15:1 | - | - | - | 2003-6151-0X
DC-24.0 | 1.05:1 1.10:1 1.15:1 | - | - | - | 2003-6151-0X
DC-26.5 | 1.05:1 1.10:1 1.20:1 1.30:1 | - | - | - | 2003-6151-0X
*INCLUDES 2" TO 2.5" BEAD CHAIN

**MARKING AREA**
- **MARKING TO BE AS LARGE AS POSSIBLE, CLEAR AND READABLE.**
- **YYWW EQUALS DATE CODE.**

**DETAILS**
- **PART NO.:** 2003-61XX-0X
- **DESCRIPTION:** TERMINATION, SMA-m, DC-27GHz
- **ITEM NO.:**"