

7-16 Coaxial High Vacuum feedthrough 242-7 16-K50 (and other flange sizes)

The 7-16 (DIN) series is a popular coax connector for use in Mobile Base Station equipment and other demanding applications. The design give high levels of performance with regard to return loss (VSWR) and intermodulation distortion. 7-16 connectors allow high power, high-frequency transmission in coaxilal lines. it is a rugged, precision connector supplied with a thread coupling.



Type of f/t: High frequency 7-16 (DIN)

 $\begin{array}{ll} \text{Impedance} & \text{50 Ohm} \\ \text{Max. Voltage} & \text{4 KV}_{\text{eff}} \end{array}$

Working Voltage $< 2.7 \text{ KV}_{eff} / 50 \text{ Hz}$

Max. Frequency 7.5 GHz

Max. Power 1.8 KW at 1 GHz Return loss typ. 40 db at 1 GHz

(with flex. cable, depending on cable type)

Mounting flange 50KF smallest

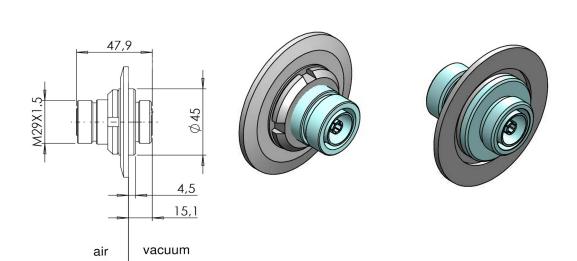
Insulation Parts PTFE

Sealing Viton O-Ring

Leak test $<1x 10^{-8} \text{ mbar I}/\text{ s He}$

Max. Temp. 150°C

As usual, voltage rating is valid at high vacuum (10^{-3} mbar) and below.



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All data given in this sheet are carefully checked but subject to change at any time.