

## 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 coaxial lines. it is a rugged, precision connector supplied with a thread coupling.



Type of f/t:	High frequency 7-16 (DIN)
Impedance	50 Ohm
Max. Voltage	4 KV <sub>eff</sub>
Working Voltage	<2.7 KV <sub>eff</sub> / 50 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 <sup>-8</sup> mbar l / s He

Max. Temp. 150°C

As usual, voltage rating is valid at high vacuum (10<sup>-3</sup> mbar) and below.

