order number: J01074A1704

1.6/5.6 Adaptors m-m screw
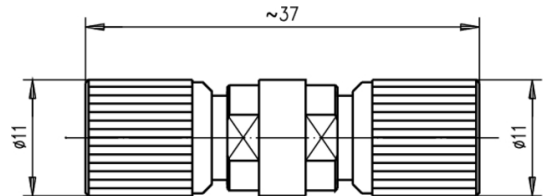
Technical Attributes	
Remarks	m-m screw
Z	Ω
Series	
Finish	
Mount. dim.	

Product description

The 1.6/5.6 series of connectors are avialable with three different plug designs: Snap-on coupling allowing rapid but secure connections, screw coupling for vibration proof installations, slide-on coupling which is suitable for rack and panel systems. The jack has one mating-face design, which will mate with all three plug types.

The maximum frequency for this series is limited to 1 GHz. The impedance is controlled at 75 Ω for all types. Versions of this series connector are available for mounting to printed circuit boards using thru-hole soldered techniques. Clamp and crimp techniques are used to terminate this series to cables. 1.6/5.6 connectors find applications in many types of communication equipment.

Mechanical Characteristics	
Durability (mating cycles)	≥ 1000
Insertion force: Screw	≤ 12 N
Insertion force: Snap-on	≤ 50 N
Insertion force: Slide-on	≤ 12 N
Withdrawal force: Screw	2.2 - 10 N
Withdrawal force: Snap-on	≥ 18 N
Withdrawal force: Slide-on	2.2 - 10 N

Material: spring contacts	CuNi1Pb1P(C97), CuBe2
Material: outer conductor	CuZn39Pb3, CuZn38Pb2
Material: other metal parts	CuZn39Pb3, CuZn38Pb2
Material: insulators	PTFE, PE
Finish: Inner conductor	NiP-Au
Finish: Outer conductor	NiP-Au
Finish: Other metal parts	CuSnZn3

Climatic Characteristics	
Climatic category acc. to IEC 60068 - 1	40/85/21

Electrical Characteristics	
Contact resistance inner conductor	≤ 4 mΩ
Contact resistance outer conductor	≤ 2 mΩ
Insulation resistance	16 GΩ
Voltage proof	1 kVeff/50 Hz
Impedance	75 Ω
Return loss, straight types at 1 GHz*	≥36 dB
Return loss, straight types at 3 GHz*	≥27 dB
Return loss, angled types at 1 GHz*	≥30 dB
Return loss, angled types at 3 GHz*	≥20 dB
Working voltage	≤ 500 Veff/50 Hz
Frequency range up to	3 GHz (Cable Connectors); 1 GHz

Standards	
IEC 60 169-13	