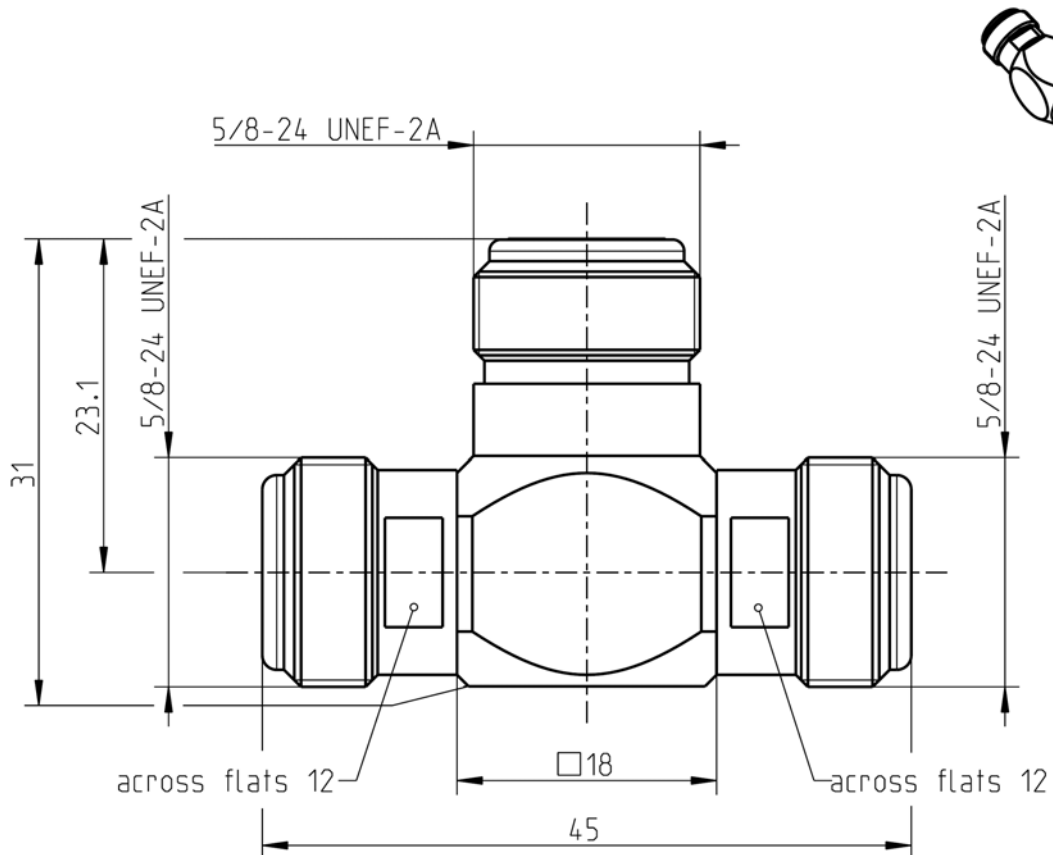




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

IEC 61169-16, MIL-PRF-39012, CECC 22210

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric

Material

CuBe
Brass
Brass
PTFE

Plating

AuroDur®, gold plated
Flash white bronze over silver(e.g. Optargen®)
Flash white bronze over silver(e.g. Optargen®)

Technical Data Sheet				Rosenberger			
N 50 Ω		Adaptor Jack - Jack - Jack		53K301-K00N5			
Electrical data Impedance50 Ω FrequencyDC to 11 GHz Return lossN/A Insulation resistance≥ 5 GΩ Center contact resistance≤ 1 mΩ Outer contact resistance≤ 0.25 mΩ Working voltage (at sea level)500 V rms Power handling (at 20 °C, sea level, VSWR 1.0)1000 W @ 1 GHz 700 W @ 2 GHz RF-leakage≥ 128 dB @ DC to 1 GHz							
Mechanical data Mating cycles≥ 500 Center contact captivation: axial≥ 28 N Coupling test torque≤ 1.7 Nm Recommended torque0.7 Nm to 1.1 Nm							
Environmental data Temperature range-55 °C to +155 °C Thermal shockMIL-STD-202, Method 107, Condition B Corrosion resistanceMIL-STD-202, Method 101, Condition B VibrationMIL-STD-202, Method 204, Condition B ShockMIL-STD-202, Method 213, Condition I Moisture resistanceMIL-STD-202, Method 106 RoHScompliant							
Weight Weight72.2 g/pce							
While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.							
Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	22/06/04	J_Gramsamer	15.04.15	f00	15-0397	J_Krautenb.	15.04.15
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Email : info@rosenberger.de			Page 2 / 2