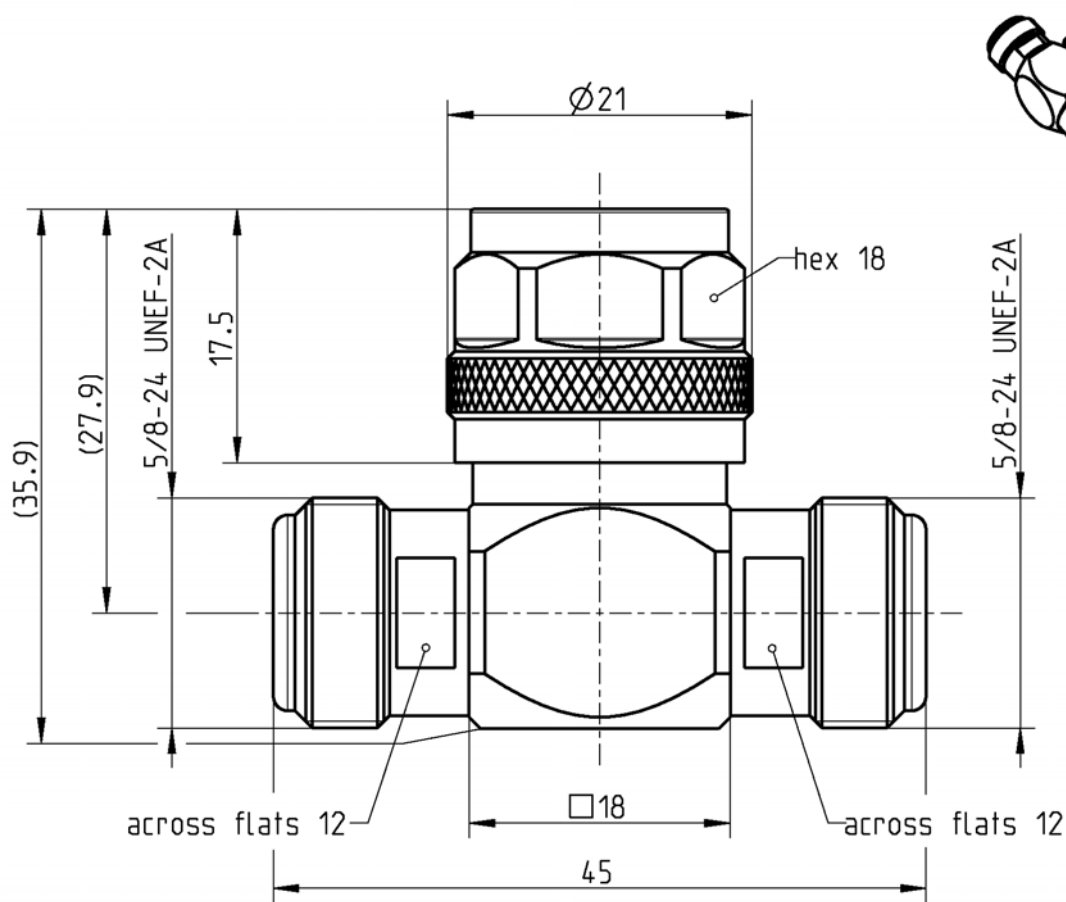




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

IEC 60169-16, MIL-PRF-39012, CECC 22210

Documents

N/A

Material and plating

Connector parts

Center contact jack side
 Center contact plug side
 Outer contact
 Body
 Dielectric
 Gasket

Material

CuBe
 Brass
 Brass
 Brass
 PTFE
 Silicone

Plating

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

ADAPTOR
N 50 Ω JACK - PLUG - JACK

53S301-K00N5**Electrical data**

Impedance	50 Ω
Frequency	DC to 11 GHz
Insulation resistance	$\geq 5 \times 10^3 \text{ M}\Omega$
Center contact resistance	$\leq 1 \text{ m}\Omega$
Outer contact resistance	$\leq 0.25 \text{ m}\Omega$
Test voltage	2500 V rms
Working voltage	1400 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	1000 W @ 1 GHz 700 W @ 2 GHz
RF-leakage	$\geq 128 \text{ dB}$ up to 1 GHz

Mechanical data

Mating cycles	min. 500
Coupling nut retention	$\geq 450 \text{ N}$
Coupling test torque	max. 1.7 Nm
Recommended torque	0.7 Nm to 1.1 Nm

Environmental data

Temperature range	-55°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in bag
Weight	52.8 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	Fellner A.	17.10.07	d00	07-0154	S_Kra.	17.10.07
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