

Specification

Amphenol

Changzhou Amphenol Fuyang Communication Equipment Co. Ltd.

Product Description

4.3/10 Female Connector for 1/2" Normal Cable

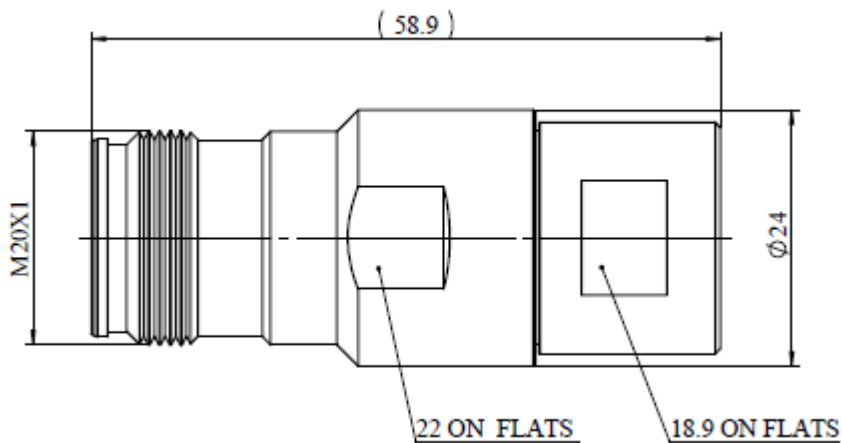
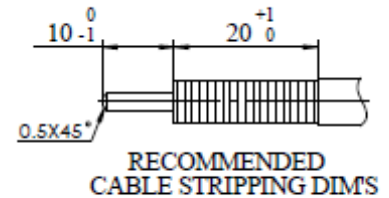
Date: 2019-4-2

Part NO.

AFDF40-1

Ver. 1

UNIT: mm



Reference Standard

IEC61169-54

Electrical Performance

Nominal Impedance (Ω)	50
Frequency Range	DC~6GHz
VSWR	≤ 1.10 (0-3GHZ) ≤ 1.20 (3-6GHZ)
VSWR(DTF)	≤ 1.05 (0-3GHZ) ≤ 1.12 (3-6GHZ)
PIM (dBc)	≤ -160 (2*43dBm)
Insertion Loss	$\leq 0.05\sqrt{F}$ (GHz)
Insulation Resistance(M Ω /500VDC)	≥ 5000
Proof Voltage (V/AC)	≥ 2500
Contact Resistance (m Ω)	<1.0 (Inner Conductor) <0.1 (Outer Conductor)

Mechanical Performance

Interface Durability	500 Cycles
Retention	≥4N(Outer Conductor) ≥1.5N(Inner Conductor)
Axial Force	30N
Tensile Force (Cable-Connector)	500 N
Torsion (Cable-Connector)	5N.m
Weight	93.03g

Material and Plating

Connector Parts	Material	Plating
Inner Conductor	Spring Copper	Ag 5μm
Outer Conductor	Spring Copper	Ag 5μm
Body	Brass	Copper-tin-zinc 2μm
Insulator	TPX	
O-Ring	Silicone Rubber	

Environment

Temperature Range	-40°C~ +85°C
Weather Standard	IEC60068 40/ 085/ 21
Thermal Shock	IEC60068-2-14-Na
Vibration	IEC60068-2-6-Fc
Shock	IEC60068-2-27
Waterproofing Standard	IP68
RoHS	Compliant(EU and China)

Assembly

Inner and outer conductor Installing type.	
Cable Supported	Cable Type Supported
Andrew	LDF4-50,LDF4RK-50,LDF4RN-50
RFS	LCF12-50
NK Draka	RF1/2"-50
Eupen	EC4-50
Amphenol	AFY-50-12R

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