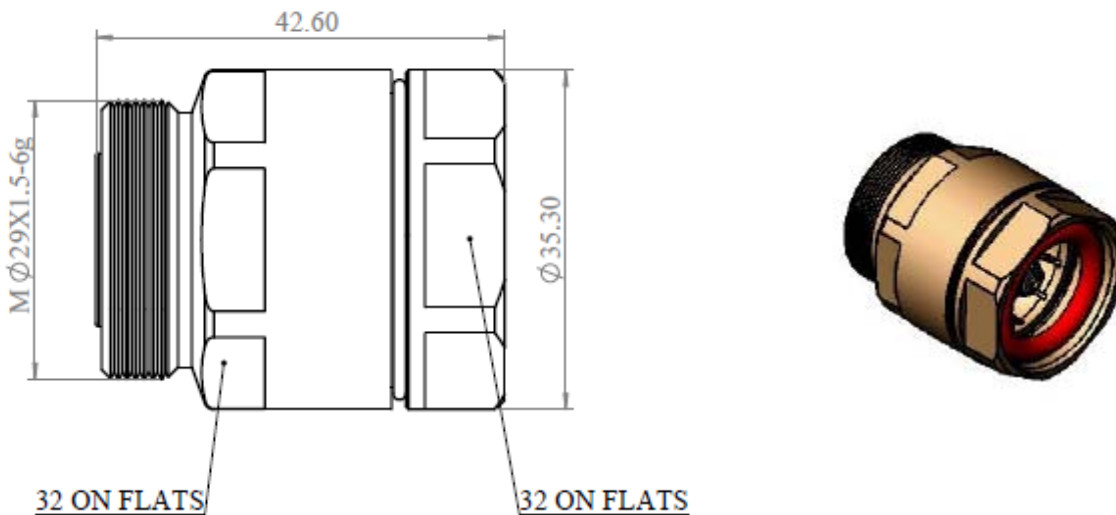


## Specification

Product Description	7/16 Female Connector for 7/8" Cable	Date: 2020-06-22
Part NO.	AFB216-23	Ver. 0

UNIT: mm



## Reference Standard

IEC60169-4

## Electrical Performance

Nominal Impedance ( $\Omega$ )	50
Frequency Range	DC~3.8GHz
VSWR	$\leq 1.10$
PIM (dBc)	$\leq -160(2*43dBm)$
Connector Insertion Loss (dB)	$\leq 0.05$
Insulation Resistance(M $\Omega$ /500VDC)	$\geq 10000$
Proof Voltage (V/AC)	$\geq 2700$
Contact Resistance (m $\Omega$ )	$< 0.8$ (Inner Conductor) $< 0.2$ (Outer Conductor)

## Mechanical Performance

Interface Durability	500 Cycles
Mating Cycles	500
Retention Force	≥5.88N
Tensile Force (Cable-Connector)	500 N
Torsion (Cable-Connector)	5N.m
Weight	147.37g

### Material and Plating

Connector Parts	Material	Plating
Inner Conductor	Spring Copper	Ag3μm
Outer Conductor	Brass	Copper-tin-zinc 3μm
Insulator	TPX	
O-Ring	Silicone Rubber	

### Environment

Storage Temperature Range	-40°C~+85°C
Operating 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)

NOTE: The technical specification contains proprietary information and such information may not be disclosed to others for any particular purpose or used for manufacturing purposes without written permission from Amphenol Fuyang.