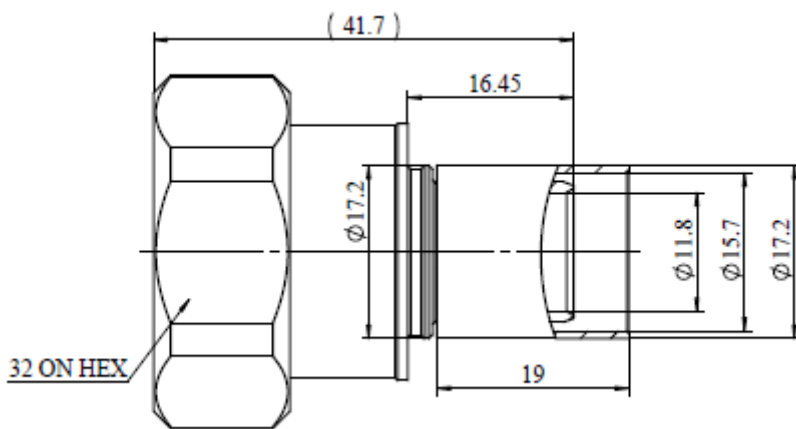
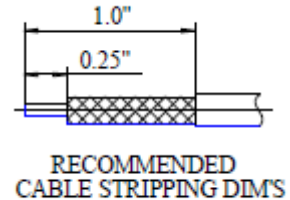


Specification

Product Description	7/16 Male Connector for LMR600	Date: 2019-2-14
Part NO.	AFB193-7	Ver. 2

UNIT: mm



Reference Standard

IEC61169-4

Electrical Performance

Nominal Impedance (Ω)	50
Frequency Range	DC~6GHz
VSWR	$\leq 1.10(0-3\text{GHZ})$ $\leq 1.20(3-6\text{GHZ})$
VSWR(DTF)	$\leq 1.05(0-3\text{GHZ})$ $\leq 1.10(3-6\text{GHZ})$
PIM (dBc)	$\leq -160 (2*43\text{dBm})$
Insertion Loss	$\leq 0.05\sqrt{F}(\text{GHz})$
Insulation Resistance(M Ω /500VDC)	≥ 10000
Proof Voltage (V/AC)	≥ 3000
Contact Resistance (m Ω)	< 0.8 (Inner Conductor) < 0.2 (Outer Conductor)

Mechanical Performance

Interface Durability	500 Cycles
Nut Torque	25 N.m
(Nut) Whorl Pull	1000N
Tensile Force (Cable-Connector)	500 N
Torsion (Cable-Connector)	4 N.m
Weight	94.84g

Material and Plating

Connector Parts	Material	Plating
Inner Conductor	Beryllium Bronze	Ag 5μm
Outer Conductor	Brass	Copper-tin-zinc 2μm
Ferrule	Copper	Copper-tin-zinc 2μm
Nut	Brass	Ni 5μm
Insulator	PTFE	
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	IP67
RoHS	Compliant(EU and China)

Assembly

Inner conductor Installed and outer conductor crimped.

Cable Supported	Cable Type Supported
Times Microwave System and alternative	LMR600

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.