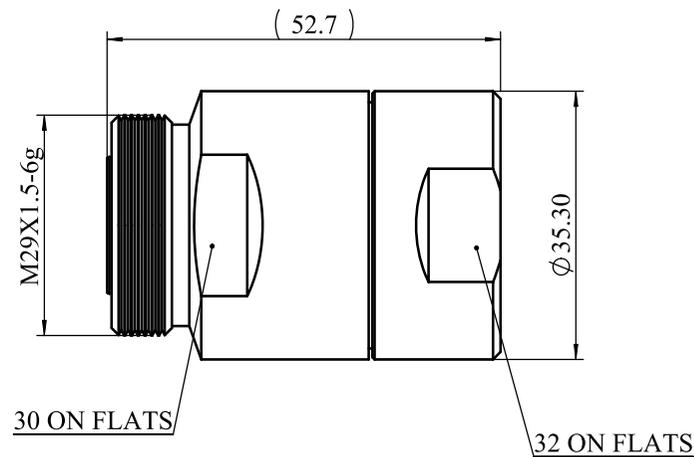


REVISIONS

VER	REV	DESCRIPTION	DATE
1	0	FIRST RELEASE	2022-9-15



REFERENCE STANDARD

IEC61169-4

1. ELECTRIC PERFORMANCE

NOMINAL IMPEDANCE(Ω)
 FREQUENCY RANGE
 RETURN LOSS(dB)

50
 DC-6GHz
 ≤ -26 (DC-3GHz)
 ≤ -23 (3-4.2GHz)
 ≤ -20.5 (4.2-6GHz)
 ≤ -165 (2*43dBm)
 $\leq 0.05 \cdot \sqrt{F}$ (GHz)

PIM(dBc)
 INSERT LOSS (dB)
 INSULATION RESISTANCE(M Ω)
 DIELECTRIC WITHSTANDING VOLTAGE(V)
 CONTACT RESISTANCE(m Ω)

≥ 10000
 3000
 OUTER CONDUCTOR <0.2
 INNER CONDUCTOR <0.8

2. MECHANICAL PERFORMANCE

RETENTION
 MATING CYCLES
 WHORL PULL

≥ 5.88 N
 500
 1000N

3. MATERIAL AND PLATING

INNER CONDUCTOR
 OUTER CONDUCTOR
 INSULATOR
 O RING

SPRING COPPER Ag3 μ m
 BRASS Copper-tin-zinc3 μ m
 TPX
 SILICONE RUBBER

4. ENVIRONMENT

TEMP.RANGE
 WEATHER STANDARD
 THERMAL SHOCK
 VIBRATION
 SHOCK
 SALTS PRAY
 WATERPROOFING STANDARD
 ROHS COMPLIANT

-40 $^{\circ}$ C~+85 $^{\circ}$ C
 IEC 60068 40 / 085/ 21
 IEC 60068 -2-14-Na
 IEC 60068-2-6-Fc
 IEC 60068-2-27
 240HOURS
 IP67

5. ASSEMBLE: INNER AND OUTER CONDUCTOR INSTALLED

DRAWN PanJie 2022.09.16 09:11:27 +08'00'		TITLE(O11)			 AMPHENOL FUYANG CO.,LTD CHANGZHOU, CHINA		
CHECKED YuYing 2022.09.24 14:06:15 +08'00'		CONNECTOR 7/16 FEMALE FOR 7/8H/L/LA CABLE					DRAWING NO. AFS-B216-14
APPROVED XuYiMin g XuYiMing 2022.09.16 09:17:35 +08'00'		SHEET 1/1	SCALE 1/1	METRIC mm	PART NO. AFB216-14		