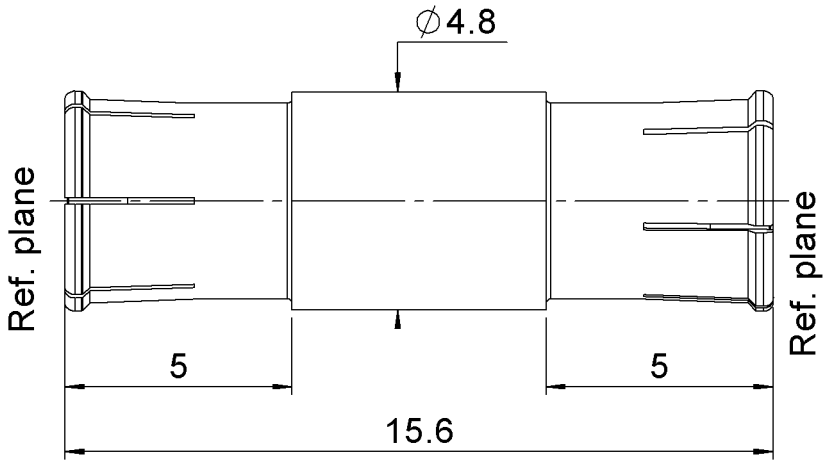
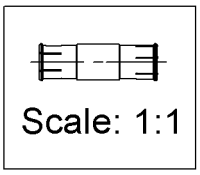
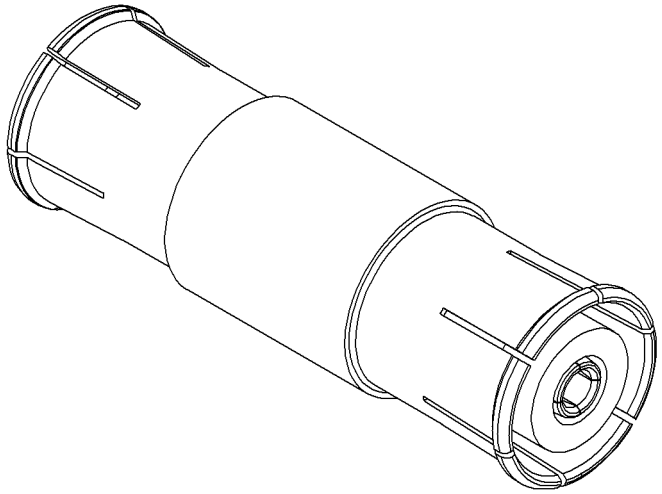
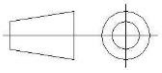
PAGE **1/3**	ISSUE **19-02-21A**	SERIES **POWER-MAX**	PART NUMBER **R233M40017**







All dimensions are in mm. Tolerances according ISO 2768 m-H



COMPONENTS	MATERIALS	PLATING (µm)
Body	**BERYLLIUM COPPER**	**BBR**
Center contact	**BERYLLIUM COPPER**	**NPGR.**
Outer contact		
Insulator	**PTFE**	
Gasket		
Others parts		
-	-	-
-	-	-

PACKAGING

Standard	Unit	Other
100	**Contact us**	**Contact us**

ELECTRICAL CHARACTERISTICS

Impedance			**50**	Ω
Frequency			**0-6**	GHz
VSWR	**1.196* ****	**+**	**0**	x F(GHz) Maxi
Insertion loss			*** *****	√F(GHz) dB Maxi
RF leakage		- (	**NA**	- F(GHz)) dB Maxi
Voltage rating			**335**	Veff Maxi
Dielectric withstanding voltage			**1000**	Veff mini
Insulation resistance			**5000**	MΩ mini

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating End	**10**	N mini
Axial force – Opposite end	**10**	N mini
Torque	**NA**	N.cm mini
Recommended torque		
Mating	**NA**	N.cm
Panel nut	**NA**	N.cm
Mating life	**100**	Cycles mini
Nominal Weight (Add +15% for max weight)	**0,86**	g

ENVIRONMENTAL

Operating temperature	**-55/+165**	°C
Hermetic seal	**NA**	Atm.cm3/s
Panel leakage	**NA**	

SPECIFICATION

OTHER CHARACTERISTICS

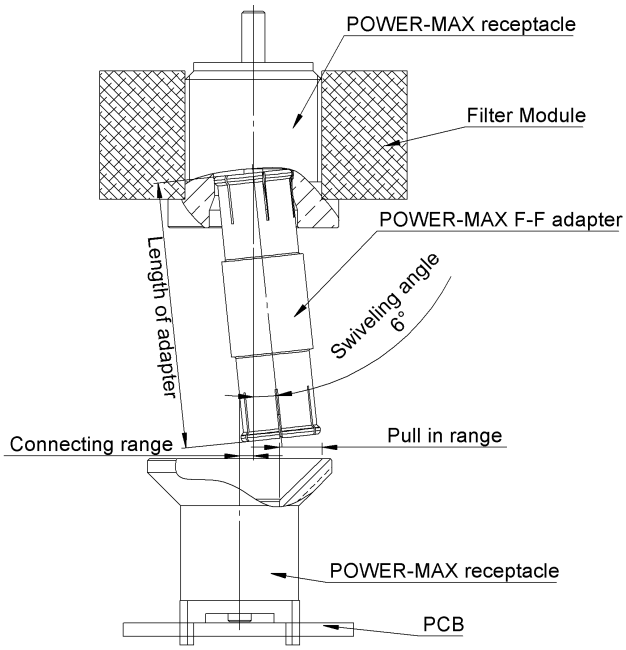
Assembly instruction:**NA**

Others:

Power handling⩾160W@2.7GHz at 105ºC, long term (⩾10years)
PIM3⩽-160dBc@2*20W
***Coaxial Transmission Line Only (Slide side+Bullet+Snap side)**
Because of the BBR plating, the typical values of the outer contact resistance may slightly differ compared to the NPGR plated adapters.
****VSWR: up to 3 GHz; 3-5GHz, 1.253max, 5-6GHz, 1.33max**
*****IL⩽0.12dB @0~3GHz,⩽0.25dB @3~6GHz**

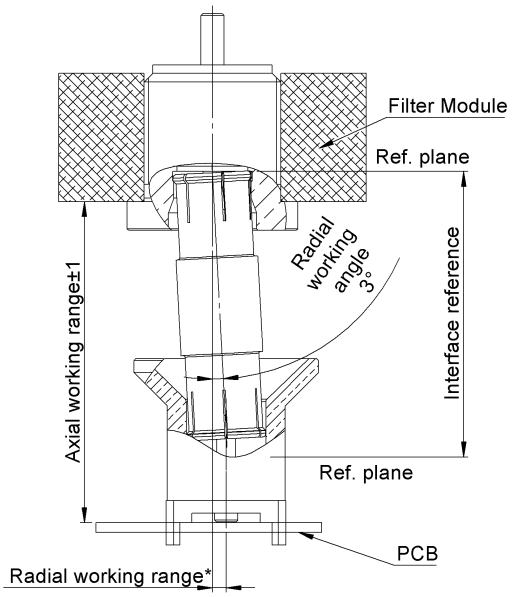
GENERAL DATA OF POWER-MAX SERIE

POWER-MAX connecting range



The connecting range represents the maximum misalignment during connection.
The swiveling angle is the maximum possible angle of the adapter in a snap receptacle.
A blind assembly is guaranteed if radial misalignment is smaller than connecting range. Otherwise a manual lead-in is necessary.

POWER-MAX radial and axial working range



Electrical performance is achieved when radial and axial misalignments are within their working ranges.
Radial working range = (length of the adapter) x Sinus(radial working angle)