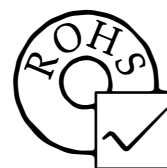
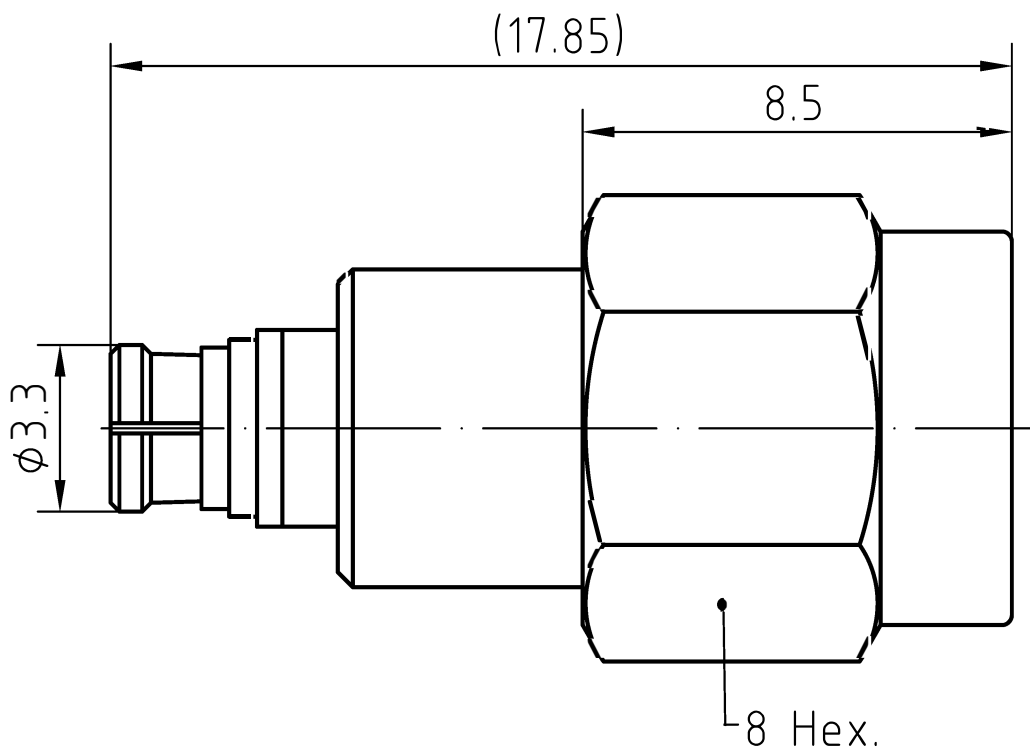


DRAWING



2	1	Body	Brass/Gold plated	Gold 0.3um over Nickel 2.0um
2	1	Insulator	PTFE	
1	1	Center contact	Beryllium copper/Gold plated	Gold 0.5um over Nickel 2.0um
Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference

Designed by
Mingang HanChecked by
Jinlong GuApproved by - date
Hongyu DuFile name
SMA/SMP-JKDate
08.09.23Scale
1 : 1

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CHARACTERISTICS

DESCRIPTION:	ADAPTOR SMA PLUG TO SMP PLUG	
<u>Electrical data:</u>		
Impedance:	50 ohm	
Frequency range:	DC to 18 GHz	
Return loss:	$\leq 1.15:1$, DC-5GHz $\leq 1.25:1$, 5-10GHz $\leq 1.50:1$, 10-18GHz	
Insertion loss:	$\leq 0.2 \times \sqrt{f[\text{GHz}]} \text{ dB}$	
Insulation resistance:	$\geq 5000M\Omega$	
Test voltage:	500 V rms	
Working voltage:	335 V rms	
Contact resistance:		
1). Centre contact:	$\leq 6.0 \text{ m}\Omega$, SMP side; $\leq 3 \text{ m}\Omega$, SMA side	
2). Outer conductor:	$\leq 2.0 \text{ m}\Omega$, SMP side; $\leq 2 \text{ m}\Omega$, SMA side	
<u>Mechanical data:</u>		
	SMA	SMP
Mating cycles:	≥ 500	
if mating part is smooth bore:		≥ 1000
if mating part is limited detent:		≥ 500
if mating part is full detent:		≥ 100
Center contact captivation:	$\geq 27 \text{ N(axial)}$	$\geq 27 \text{ N(axial)}$
Engagement force:		N/A
- smooth bore :	$\leq 9 \text{ N.}$	
- limited detent:	$\leq 45 \text{ N.}$	
- full detent:	$\leq 68 \text{ N.}$	
Disengagement force:		
- smooth bore :	$\geq 2.2 \text{ N.}$	
- limited detent:	$\geq 9 \text{ N.}$	
- full detent:	$\geq 22 \text{ N.}$	
Recommended torque:	0.46 Nm to 0.69 Nm	
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		e-mail: mailbox@amel.ru