

版本	设计变更	日期	会签
A	新品打样	2025. 12. 5	YYK

Electrical PERFORMANCES

Impedance	50 Ω
Frequency Range	DC TO 6GHz
V.S.W.R	1.80max(DC-6GHz)
Insulation Resistance	1000 M Ω
Withstanding Voltage	500 VDC

Inner conductor data

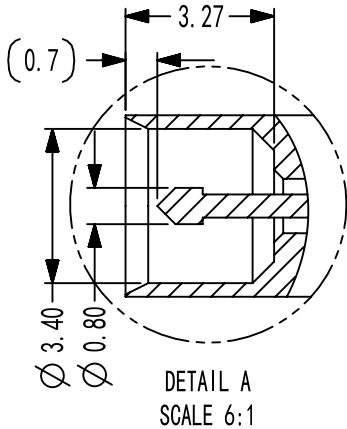
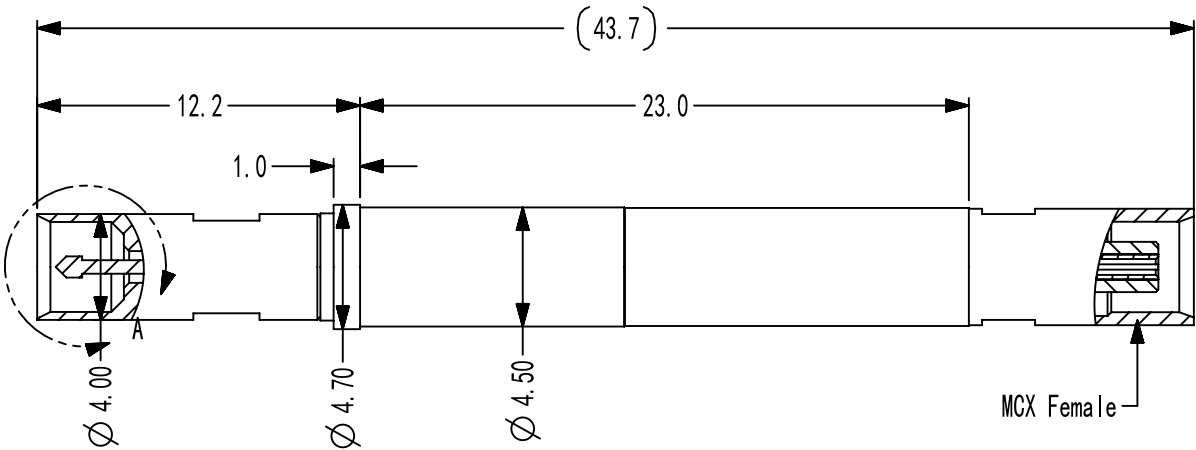
Full Travel	3.7mm
Recommended Travel	1.5mm
Spring Force	100g $\pm$ 20%@1.5mm
Tip Style Material	BeCu-Au plated
Current	3A

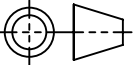
Outer conductor data

Full Travel	5.0mm
Recommended Travel	3.7mm
Spring Force	>500g@3.7mm
Current	10A

MECHANICAL PERFORMANCES

D.U.T	SMP-MAX Female Connectors
Interface of Cable Assembly	MCX Female
Test Life	10000 Times(PIN Changeable)
WORKING TEMPERATURE	-55°C~+85°C



Drawn	YYK	2025. 12. 5	Scale	5:1	Series: RK	Group: RF Probe
Checked	YYK	2025. 12. 5	Sheet	1 of 1	Title: RK-50013SMPXF-6G	
Approved	ERIC	2025. 12. 5	Unit	mm		
Size	A4	REV.	R0	Note:	 上海里库电子科技有限公司	
				Tolerances Unless Otherwise Specified: 0 PLC $\pm$ 0.15 1 PLC $\pm$ 0.10 2 PLC $\pm$ 0.05 3 PLC $\pm$ 0.01		
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