

MCX Connector Jack Solder Panel Mount SMT - RHT-617-0125



Drawing

	Product NO. RHT-617-0125				
	REV A	DESCRIPTION First issue	DWN Mr. CHEN	DATE 2016/9/03	APPROVEN John kine

Specifications

Impedance: 50 Ohms
 Frequency Range: 0~6GHz
 VSWR: 1.25max
 Working Voltage: <170 V rms @ sea level
 Insulation Resistance: 5000 Ohms min
 Temperature Range: -65°C TO +165°C
 Drawings products are in line with ROHS standards

PCB

1	Body	Brass	GOLD	1	NOTE: DRAWN Zelin. CHEN 2016/09/03 CHECKED APPROVALS John Kine 07/09.2016	Tolerance 0-6 ±0.10 6-30 ±0.20 30-120 ±0.30 Angular ±2°		RENHOTEC www.renhotec.com	RENHOTEC GROUP		
2	Insulation	Teflon	White	1							
3	Pin	Copper	GOLD	1							
4											
5											
6											
7											
8											
9											
10											
NO	Component Number	Material	Finish	QTY	SCALE	1:1	Date	2016/9/03	CAD FILE	D:\company drawings\BD	SHEET: 1 OF 1

Basic Information

Connector Type	Jack
Mounting Feature	SMT
Mounting Type	Panel Mount
Number of Ports	1
Orientation	Straight
Fastening Type	Push-Pull

Mechanical Specification

Contact Termination Style	Solder
Mating Durability	≥ 500 Cycles

Material Specification

Shield Termination	Solder
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Environmental Specification

Temperature Range	-65°C to +165°C
Corrosion Resistance	MIL-STD-202 Meth. 101
Vibration	MIL-STD-202 Meth. 204

Material and Finish

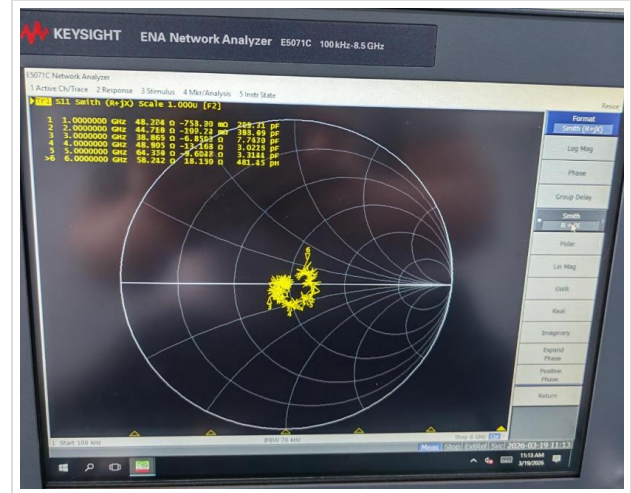
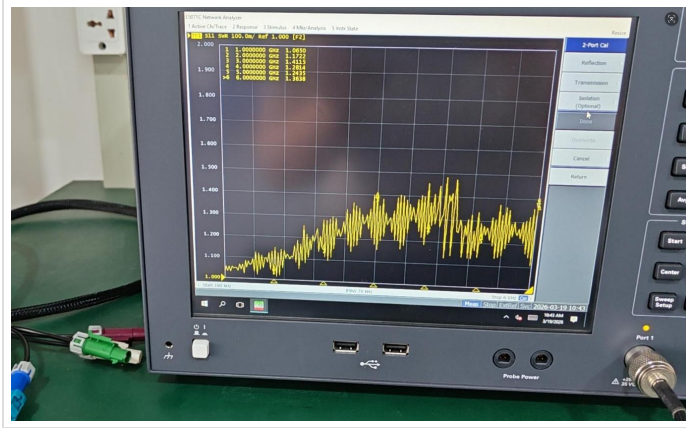
Component Description	Material	Finish
Shell	Copper Alloy	Gold Plated
Insulator	Teflon White	
Center Contact	Brass	Gold Plated

Impedance Testing

Impedance	50 ohm
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Frequency & VSWR Test Report

Frequency Range	6GHz
VSWR	≤1.15 (DC to 4 GHz), ≤1.40 (4 to 6 GHz)



Contact Resistance Test

Contact Type	Female Pin
Center Contact Resistance	5 MΩ Min
Outer Contact Resistance	1 MΩ Min



Working Voltage & Insulation Resistance Test

Rated Voltage	500 Volts RMS Max Continuous
Dielectric Withstanding Voltage	1000 VRMS Max
Insulation Resistance	500MΩ Min



Version History

REV	Date	Revise Contents	Drafter	Approver
A.0	2026.5.13	The initial formulation	Esther	Joson

Disclaimer

The information in this specification is subject to change without notice. Please confirm the latest version before use. Technical parameters are for reference only, and sufficient testing and verification should be conducted in actual applications.