



CABLE ASSEMBLY

1.37mm (Black) Cable

PROBE MM8030-SMA



PART NUMBER	562296.137.XXB																																						
DESCRIPTION	50ohm RSW MM8030 Male R/A To SMA Female B.H, 1.37 Black/L:XXcm																																						
OUTLINE	Length 11.40 CABLE : 137 BLACK 1/4-36UNS-2A 15.6 7.5 2.0 Ø2.5 Ø0.30±0.02 Ø1.25±0.10 Ø2.0 Ø1.35 0.45 0.90 APPLICATION																																						
TEST CURVE	Tr 1 S11 SWR 0.400U/ 1.00U <table><tr><td>1</td><td>3.000 GHz</td><td>1.14</td></tr><tr><td>2</td><td>6.000 GHz</td><td>1.41</td></tr><tr><td>> 3</td><td>11.000 GHz</td><td>2.04</td></tr></table> Ch1: Start 10.0000 MHz RF -5.00 dBm Stop 11.0000 GHz Tr 2 S12 LogM 1.000dB/ 0.00dB <table><tr><td>1</td><td>3.000 GHz</td><td>-1.08 dB</td></tr><tr><td>2</td><td>6.000 GHz</td><td>-1.46 dB</td></tr><tr><td>> 3</td><td>11.000 GHz</td><td>-2.37 dB</td></tr></table> Ch1: Start 10.0000 MHz RF -5.00 dBm Stop 11.0000 GHz Tr 3 S21 LogM 1.000dB/ 0.00dB <table><tr><td>1</td><td>3.000 GHz</td><td>-1.08 dB</td></tr><tr><td>2</td><td>6.000 GHz</td><td>-1.48 dB</td></tr><tr><td>> 3</td><td>11.000 GHz</td><td>-2.39 dB</td></tr></table> Ch1: Start 10.0000 MHz RF -5.00 dBm Stop 11.0000 GHz S22 SWR 0.400U/ 1.00U <table><tr><td>1</td><td>3.000 GHz</td><td>1.08</td></tr><tr><td>2</td><td>6.000 GHz</td><td>1.40</td></tr><tr><td>> 3</td><td>11.000 GHz</td><td>1.82</td></tr></table> Ch1: Start 10.0000 MHz RF -5.00 dBm Stop 11.0000 GHz			1	3.000 GHz	1.14	2	6.000 GHz	1.41	> 3	11.000 GHz	2.04	1	3.000 GHz	-1.08 dB	2	6.000 GHz	-1.46 dB	> 3	11.000 GHz	-2.37 dB	1	3.000 GHz	-1.08 dB	2	6.000 GHz	-1.48 dB	> 3	11.000 GHz	-2.39 dB	1	3.000 GHz	1.08	2	6.000 GHz	1.40	> 3	11.000 GHz	1.82
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Optional Code	A	Brass Tubing (Heat Shrinkable Tube)																																					
VSWR of Cable Assembly	1.6:1 MAX.(DC-3GHz); 1.8:1 MAX.(3-6GHz); 2.2:1 MAX.(6-11GHz)																																						
Estimate of Cable Assembly loss	1.5dB MAX.(DC-3GHz); 2.5dB MAX.(3GHz-6GHz); 4.5dB MAX.(6GHz-11GHz)																																						
MECHINCAL DATA	COUPLING MERHOD: SNAP-ON DURABILITY: 2000Cycles EXTRACTION FORCE: 30 N MAX. TEMPERATURE RANGE: -40°C - +85°C																																						





COAXIAL CABLE

MCBL-137.50

1.37mm(Black)



Features

- ✓ Frequency up to 11GHz
- ✓ Low signal attenuation
- ✓ Convenient assembly

Specifications

CONSTRUCTION		
ITEM	MATERIAL	DIAMETER
CENTER CONDUCTOR	Silver-Coated Copper	0.31 mm
INSULATION	FEP	0.92 ± 0.03 mm
BRAID SHIELD (Coverage:95%)	Tinned-Coated Copper	1.15 ± 0.05 mm
JACKET	FEP	1.37 ±0.05mm

ELECTRICAL DATA	
ITEM	SPECIFICATION
OPERATING FREQUENCY	11GHz
BEDNING RADIUS	5mm Min.(Static)
CAPACITANCE	96 pF/M ± 3pF/M
DIELECTRICE STRENGTH	AC 1KV/Minute
NOM. VEL. OF PROP.	70%
OPETATING TEMP.	-55 ~ + 150℃

MAXIMUM ATTENUATION	
FREQUIEMCY	ATTENUATION dB/1M
1.8GHz	2.2
2.4GHZ	2.6
5.2GHz	3.9
5.8GHz	4.3
6.0GHz	4.8



NOTES:

1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

