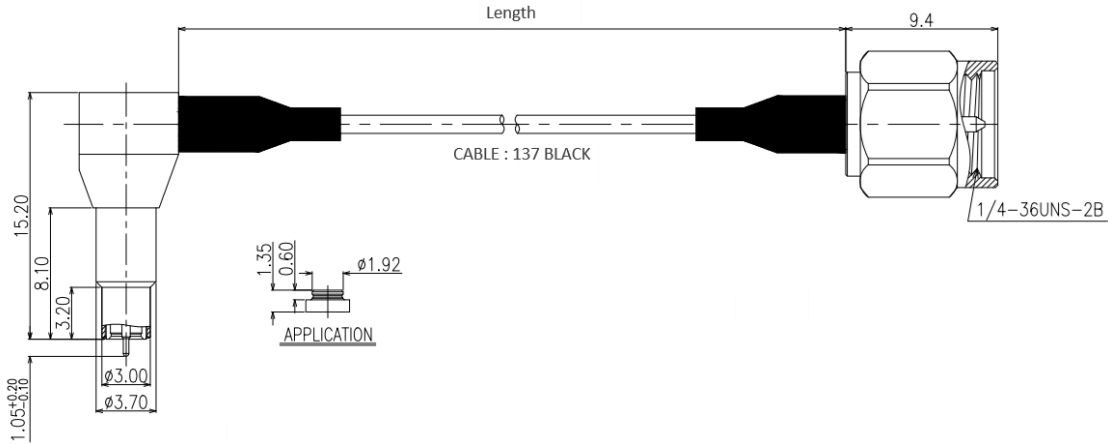
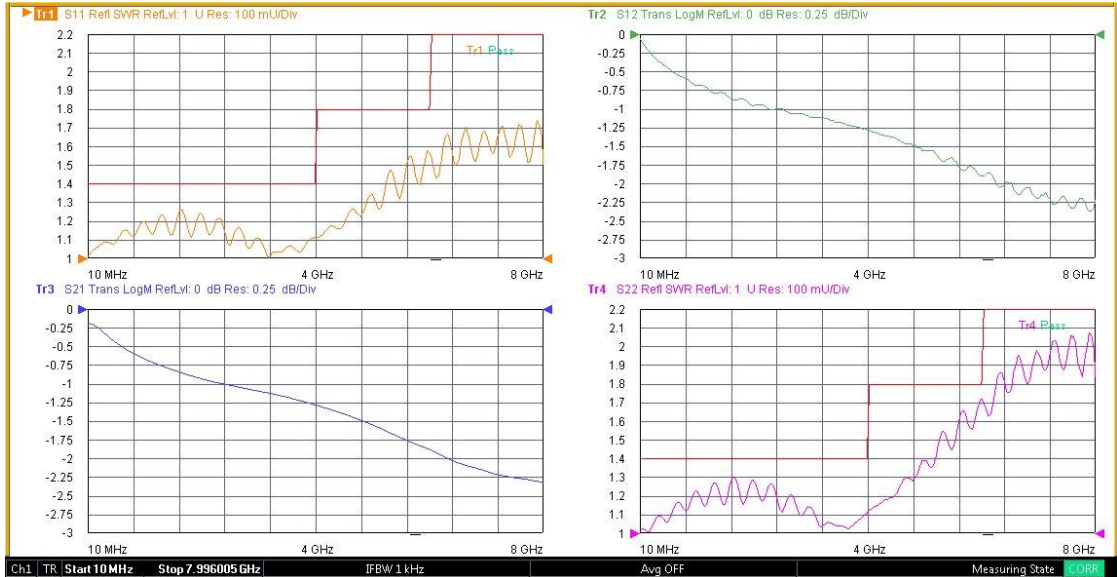


CABLE ASSEMBLY

1.37mm (Black) Cable PROBE MS156C-SMA



PART NUMBER	662280.137.XX
DESCRIPTION	50ohm RSW MS156C Male R/A To SMA Male, 1.37 Black/L:XXcm
OUTLINE	 Technical drawing of the cable assembly showing dimensions and application details. The drawing includes a side view of the SMA connector with dimensions: 15.20, 8.10, 3.20, 1.05±0.20, 3.00, 3.70, and 9.4. The cable is labeled 'CABLE : 137 BLACK'. The SMA connector is labeled '1/4-36UNS-2B'. The application detail shows a cross-section of the cable with dimensions: 1.35, 0.60, and 1.92.
TEST CURVE	 Four test curves showing S11, S12, S21, and S22 parameters. The curves are plotted on a grid with frequency from 10 MHz to 8 GHz. The y-axis for S11 and S22 ranges from 1 to 2.2, and for S12 and S21 ranges from -3 to 0. The curves are labeled Tr1, Tr2, Tr3, and Tr4 respectively. The status bar at the bottom indicates 'Ch1 TR Start 10 MHz Stop 7.996005 GHz IFBW 1 kHz Avg OFF Measuring State CORN'.

tolerance	30cm±1cm	
Optional Code	A	Brass Tubing (Glued Heat Shrinkable Tube)
VSWR of Cable Assembly	1.4:1 MAX.(DC-4GHz); 1.8:1 MAX.(4-6GHz); 2.2:1 MAX.(6-8GHz)	
Estimate of Cable Assembly loss	Cable assembly loss =Connector loss + Assembly loss + Cable loss Connector Loss: 0.08 x √Frequency x 2 (2 connectors) Assembly Loss: 0.12 *2(sides) Cable Loss: per cable attenuation (Max.) * Cable length	
MECHINCAL DATA	COUPLING MERHOD: SNAP-ON DURABILITY (MATING/UNMATING): 100 Cycles EXTRACTION FORCE: 30 N MAX DISENGAGEMENT FORCE: 3 ~ 40 N. TEMPERATURE RANGE: -40°C ~+85°C	

COAXIAL CABLE

MCBL-137.50

Features

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

Specifications

1.37mm(Black)



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°C	

MAXIMUM ATTENUATION	
FREQUENCY	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

