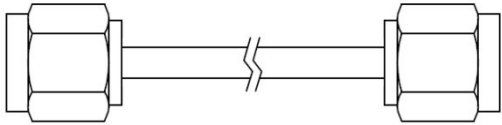
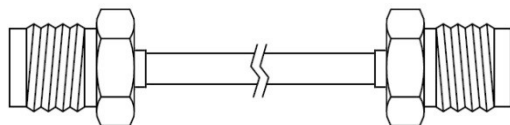
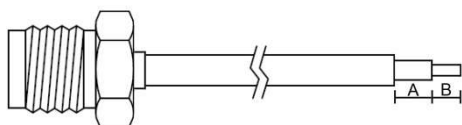


## CABLE ASSEMBLY

## SEMI RIGID 047(SR047) STANDARD SMA (12.4GHz)

PART NUMBER	DESCRIPTION	OUTLINE
280280.SR047.XX	SMA Male To SMA Male, Semi-rigid .047/L:XXcm	
290290.SR047.XX	SMA Female To SMA Female , Semi-rigid .047/L:XXcm	
290SAB.SR047.XX	SMA Female To Stripped(X/Xmm), Semi-rigid 047/L:XXcm	

XX: length (cm)

### \*Definition of Length: " XX "

When total cable length  $\leq 30$ CM, the length cable is referring to exclude two terminal length of connector.

When total cable length  $> 30$ CM, the length cable is referring to include two terminal length of connector.

### \*\*Definition of Tolerance

Length  $\leq 10$ cm:  $\pm 0.5$ cm , Length  $\leq 30$ cm:  $\pm 1.0$  cm , Length  $\leq 50$ cm:  $\pm 2.0$  cm ,

Length  $\leq 100$ cm:  $\pm 2.5$  cm , Length  $> 101$ cm:  $\pm 3.0$ cm

Optional Code	---	Soldering Only, No Tubing
VSWR of Cable Assembly	1.3:1 MAX. (DC-10GHz)	
Estimate of Cable Assembly loss	Cable assembly loss =Connector loss + Assembly loss + Cable loss Connector Loss: $0.08 \times \sqrt{\text{Frequency}} \times 2$ ( 2 connectors) Assembly Loss : $0.12 \times 2$ (sides) Cable Loss: per cable attenuation (Max.) * Cable length	

#### NOTES:

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



# COAXIAL CABLE

## MCBL-SR047.50

## SEMI RIGID 047

### Feature

- ✓ Frequency up to 18GHz
- ✓ Excellent shielding effect
- ✓ Low signal attenuation



### Specifications

CONSTRUCTION		
ITEM	MATERIAL	DIAMETER (mm)
CENTER CONDUCTOR	Sliver Plated Copper Clad Steel Wire	0.29mm
INSULATION	PTFE,F1	0.94mm
OUTER SHIELD	Tin Plated Copper Tube	1.19mm
ELECTRICAL DATA		
ITEM	SPECIFICATION	
CUT-OFF FREQUENCY	18GHz	
IMPEDANCE	50±1.5Ohms	
CAPACITANCE	95 pF/m	
TEST VOLTAGE	2 kV DC	
CONTINUOUS WORKING VOLTAGE	1000Vrms Max.	
DIELECTRIC RESISTANCE	>1000 Mega Ohms x Km	
SHIELDING EFFECT	-130 dB (max.)	
VELOCITY OF PROPAGATION	69.5 %	
WEIGHT	5.7Kg/Km	
TEMPERTURE	-40°C ~ +125°C	
MAXIMUM ATTENUATION		
FREQIENCY	ATTENUATION (dB/m)	AVG POWER (WATTS)
1GHz	1.06	20.9
5GHz	2.45	9.1
10GHz	3.55	6.3
15GHz	4.42	5.1
20GHz	5.17	4.4



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