

SUNRIDGE P/N: MCB2G-RH-59-LLL-SMAJX103

REV	DESCRIPTION	DWN	DATE	APP
A	Initial release	C. DENG	06/25/04	R. CHU

Note:
1. Material:

Coaxial cable:		
Item	Material	Overall dia.
Inner conductor	Silver plated copper covered steel wire	0.24
Insulator	FEP	0.68
Outer conductor	Tin plated copper wire	0.93
Jacket	FEP	1.13

MCB2 connector:		
Item	Material	Finish
Outer crimp contact	Copper alloy	Gold plating
Center contact	Copper alloy	Gold plating
Insulator	Engineering plastic	

SMA connector:		
Item	Material	Finish
Connector body	Brass	Nickel plating
Center contact	Be-Cu	Gold plating
Insulator	Teflon	none
Crimp ring	Brass	Gold plating

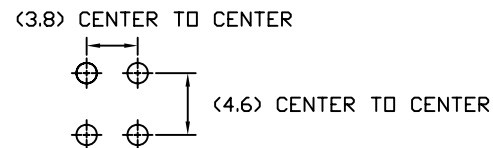
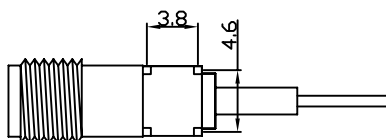
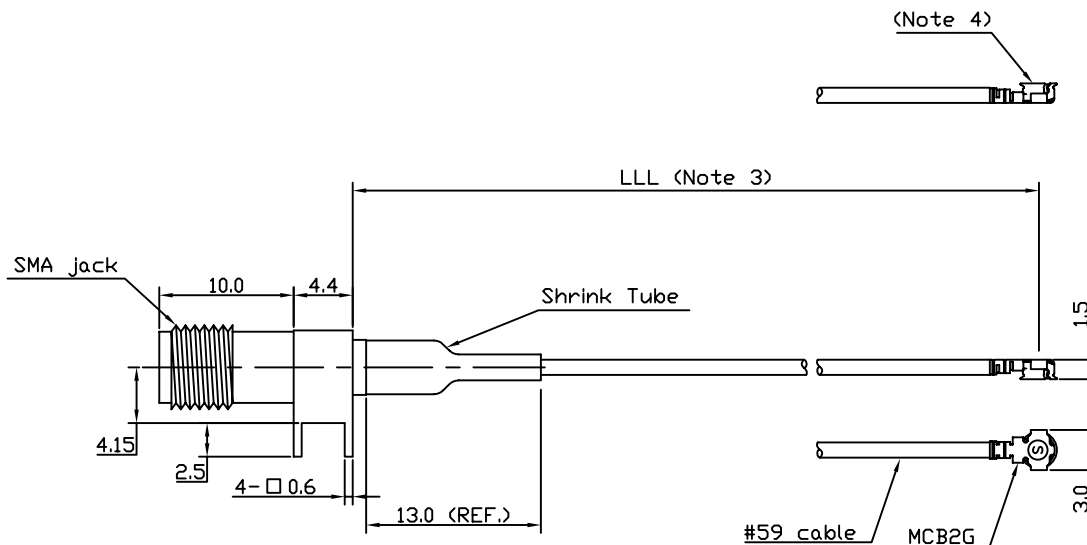
2. Rating and Characteristics:

ITEM	SPECIFICATION
FREQUENCY RANGE	DC TO 3GHz
NOMINAL IMPEDANCE	50 OHM
TEMPERATURE RANGE	-40°C TO +90°C
VOLTAGE RATING	250Vrms
CONTACT RESISTANCE	15mOHM MAX.
WITHSTANDING VOLTAGE	AC 300Vrms
INSULATION RESISTANCE	500MOHM MIN.
DURABILITY	50 CYCLES

3. Length Definition: (mm)

Range	Tolerance
50 < LLL ≤ 100	± 2
100 < LLL ≤ 200	± 3
200 < LLL ≤ 300	± 5
300 < LLL ≤ 500	± 10
500 < LLL ≤ 1000	± 25
1000 < LLL	± 60

4. Cable Assy Pn for converse orientation
(MCF faces up and SMA Jack PCB leads
face down) : MCB2G-RH-59-LLL-SMAJX103-R1



Recommended PCB Layout:
To fit 0.6 mm square lead X 2.5 mm long,
(4) places at 3.8 mm x 4.6 mm (center to center) quad

UNLESS OTHERWISE SPECIFIED TOLERANCE (IN MM)	
X.±	.XX ± 0.15
.X±	.025
.XXX±	
ORIGINAL DESIGN :05/13/04	
MATERIAL: (see note)	
FINISH: (see note)	
APP	R. CHU
CHK	F. CHI
DWN	C. DENG

SUNRIDGE
SUNRIDGE CORPORATION

PART NAME:
MCB2G - SMA cable assy.
(PCB mounted)

SCALE	SHEET	DRAWING NO	REV
NONE	1/1	MCB2G-RH-59-LLL-SMAJX103	A