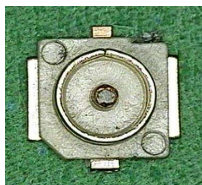


A. Features :



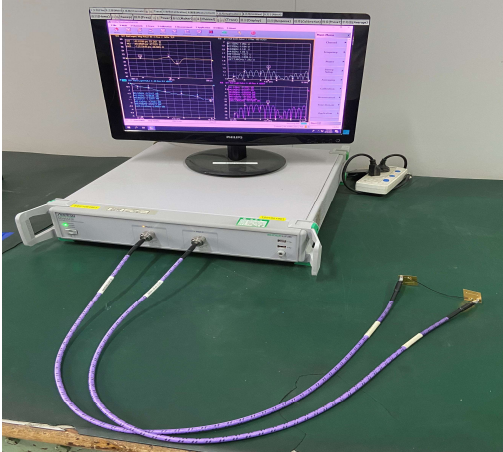
Frequency : DC ~ 15GHz
 Impedances : 50Ω
 Mating Height : 2.20mm
 Cable Option : OD. 0.64 / 0.81 / 1.13
 VSWR : < 1.5 (DC~15GHz)

B. Specification :

Series	NRF215	
Connector Type	Receptacle	Plug
Dimension	3.0 x 3.0 x 1.25	6.0 x 2.8 x 1.7
Mating High	2.20 mm	
Frequency	DC to 15GHz	
Cable OD.	0.64 / 0.81 / 1.13	
Mating Force	30N max.	
Unmating Force	Initial 5N min. / After 30 cycles :3N min.	
Cable Hold Strength	OD.0.64 : 8N . OD.0.81, OD.1.13 : 12N min.	
Mating Durability	30 Times	
Inner Contact Resistance	Initial: 20mΩ max. / After: Δ 20mΩ	
Outter Contact Resistance	Initial: 20mΩ max. / After: Δ 20mΩ	
Insulation Resistance	Initial: 500MΩ min. / After: 100MΩ min.	
VSWR	DC~6GHz <1.35 / 6GHz~12GHz < 1.4 / 12GHz~15GHz <1.5	

C. Performance :

Testing and measuring Picture



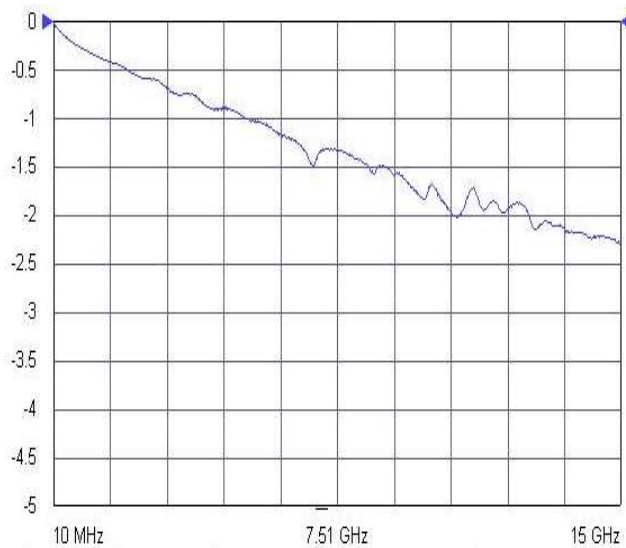
Network Analyzer (43.5GHz)



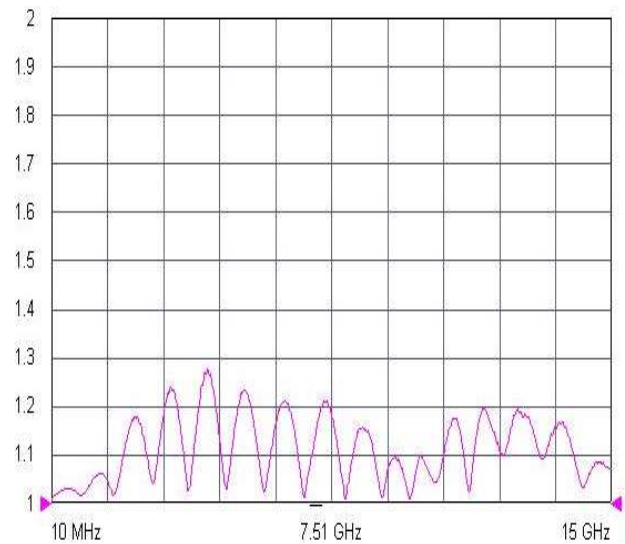
NRF215 Jump wire (OD.1.13 cable, L=10cm),
Mating with two test PCB sets (Included Two
2.92BM Connectors)

The measuerment included two 2.92BM connectors, two PCB sets and one NRF215 jump wire.

Insertion Loss:



VSWR:



D. NRF215 Receptacle :

N R F R 215 - 0 0 1 0 4 2 0

Note: "0"

Packing : 2--5,000 pcs/Reel, 50,000pcs/Carton

Pad : 4 -- 4 Pads

Housing Color : 0--Ivory

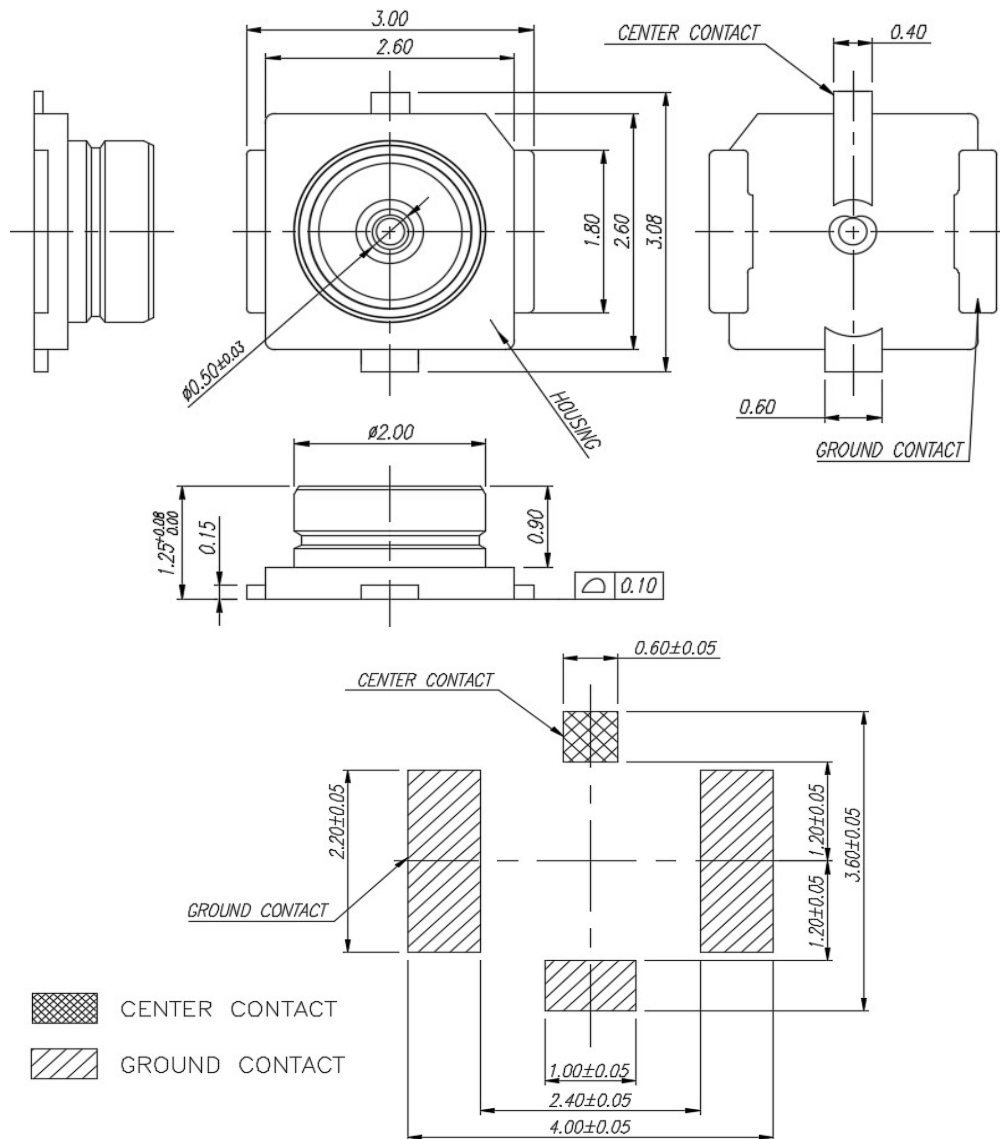
Contact Plated : 1-- Au 1u" over all

Shell Plated : 0-- Au 1u" over all

Type : 2--Type II ,15GHz

R : Receptacle Connector

New MCRF. Connector



RECOMMENDED PCB LAYOUT

E. NRF215 Jump wire :

Applicable cable size :

OD. 0.64 / 0.81mm / 1.13mm, Different cable diameters , low loss cable, are available for selected applications.

N R F W 215 - 1 1 X X X X X

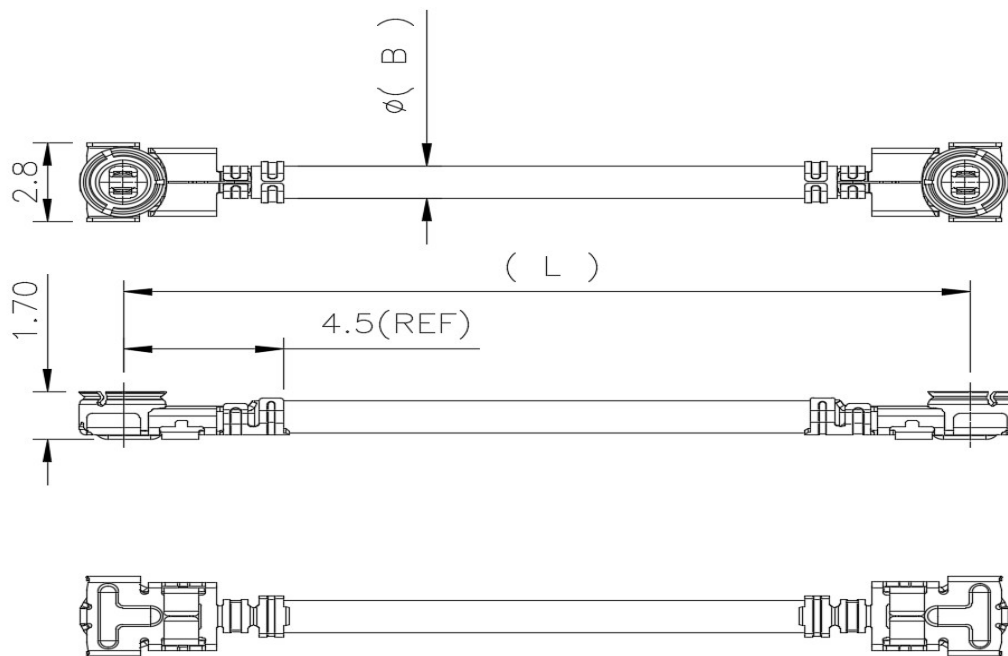
Serial number : 00001~99999

Cable OD. : 1--0.81, 3--1.13, 4--0.64

Cable Grade : 1--Normal, 2--Low Loss, 3--Super Low Loss

215 Plug

RF Cable Assembly



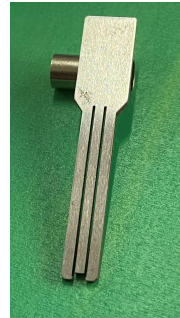
Mating Height

F. Accessories for NRF215 :

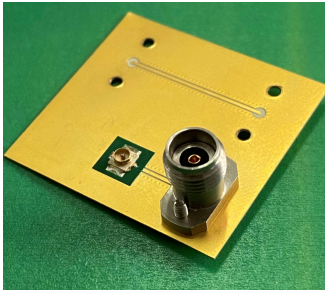
NRF215 Receptacle
to SMA Adapter



NRF215 Plug to
SMA Adapter



Mating and Unmating Tool



Test PCB Set



2.92 BM Conn.



HMT Cable Manufacturing Corporation

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