



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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CRYSTEK

MICROWAVE

A DIVISION OF CRYSTEK CORPORATION

50 GHZ LOW LOSS RF COAX CABLE ASSEMBLIES WITH 2.4mm STAINLESS STEEL CONNECTORS



50 GHz Low Loss Coaxial Cables

Features:

- Strain Relief:** Heavy duty adhesive strain relief
- Center Conductor:** Silver-plated solid copper
- Inner Shield:** Flat silver-plated copper strip
- Middle Shield:** High temp. aluminum polyimide foil
- Outer Shield:** PC (Round Silver-Plated Copper Braid)
- Dielectric:** Expanded PTFE, Type F (Polytetrafluoroethylene)
- Jacket:** ETFE, Type X per ASTM D3159
- Cable Outer Diameter:** 0.122" (3.10mm)
- Connectors:** SST, corrosion-resistant 303 stainless steel per ASTM-A582 (Passivated finish per SAE-AMS-2700)
- Center Pin:** GPBC (Gold-Plated Beryllium Copper)
- Jacket Color:** Grey
- Operating Temperature:** -40°C to +85°C
- Minimum Bend Radius:** 0.40"

Electrical Specifications:

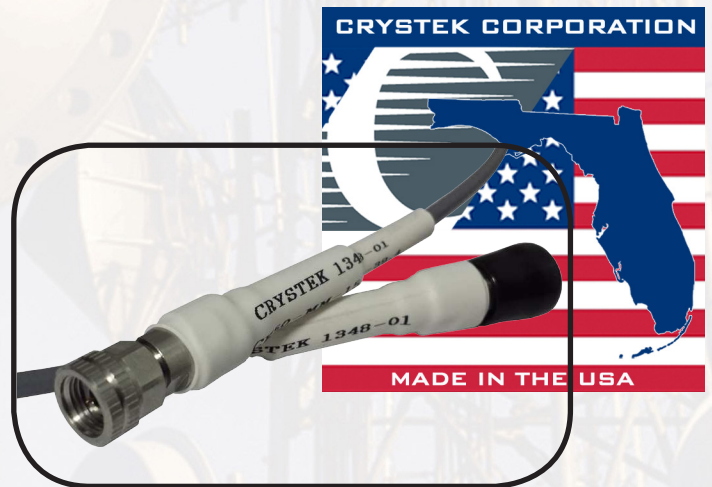
- Impedance:** 50 Ohms
 - Frequency:** Up to 50 GHz
 - Insertion Loss:** <1.44 dB/ft at 50 GHz
 - VSWR:** <1.35 to 50 GHz
 - Max Oper. Voltage:** 500V RMS
 - Nominal Capacitance:** 27.0 pF/ft
 - Velocity of Propagation:** 78%
 - Shield Effectiveness:** Greater than 90 dB
 - Attenuation (dB/ft):**
 - 0.11 Max at 500 MHz
 - 0.17 Max at 1 GHz
 - 0.43 Max at 6 GHz
 - 0.63 Max at 12 GHz
 - 0.79 Max at 18 GHz
 - 0.97 Max at 26 GHz
 - 1.26 Max at 40 GHz
 - 1.44 Max at 50 GHz
- *connector loss not included

Mechanical Specifications:

- Connector Corrosion (salt spray):** MIL-STD-202, method 101, test cond. B 5% salt solution.
- Connector Durability:** 500 connections Minimum

Electrical Test Data Supplied With Each Cable Assembly
Custom Lengths Available

2.4mm / 2.4mm [Straight/Straight]



Part Number	Description	Length
CC2450-MM-150-24	50 GHz Low Loss Coax Cable, 2.4mm Male/Male, Straight/Straight	24"
CC2450-MM-150-39.4	50 GHz Low Loss Coax Cable, 2.4mm Male/Male, Straight/Straight	39.4"
CC2450-MM-150-48	50 GHz Low Loss Coax Cable, 2.4mm Male/Male, Straight/Straight	48"



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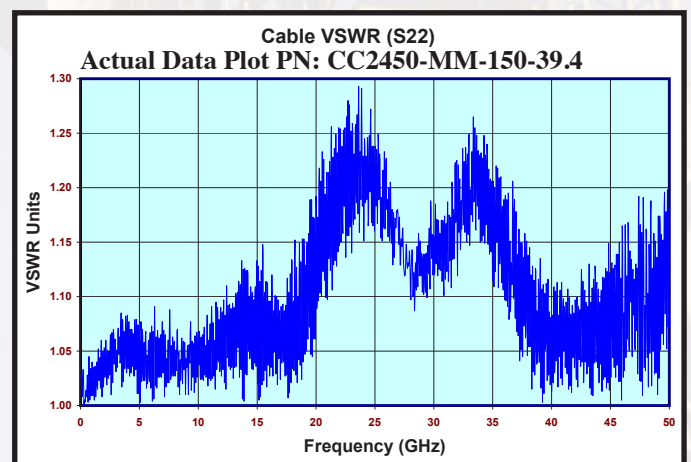
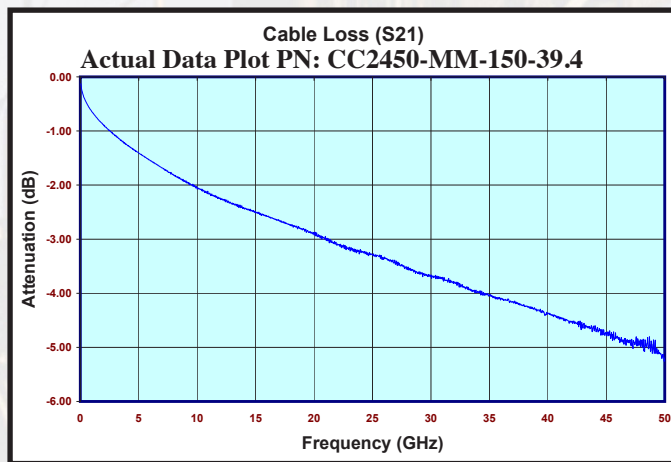
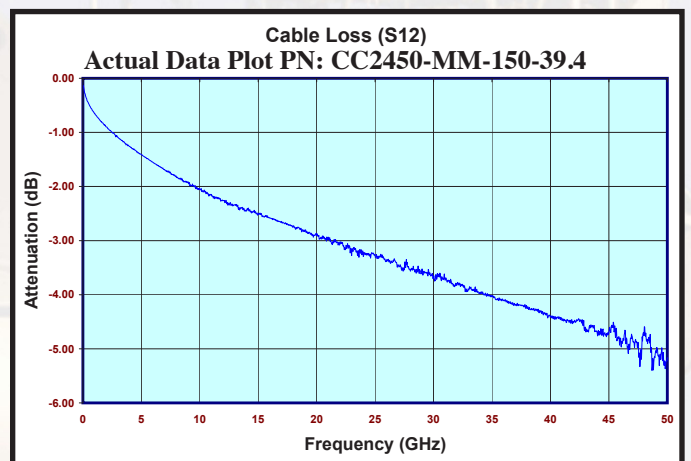
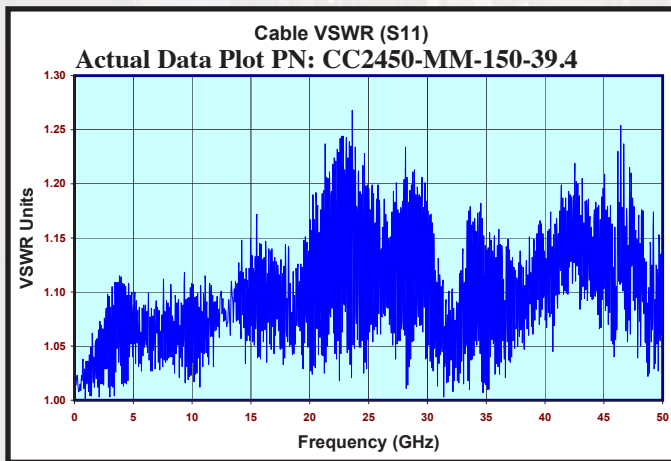
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