



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!



## Contact us

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**CRYSTEK**  
**MICROWAVE**  
 A DIVISION OF CRYSTEK CORPORATION

**FLEXIBLE .086 PRECISION  
 12.6 GHZ RIGHT ANGLE  
 RF COAX CABLE ASSEMBLIES**

**086 Flexible 50 Ohm 12.6 GHz Right Angle Coaxial Cables**



**Features:**

- Strain Relief:** Heavy duty adhesive strain relief
- Center Conductor:** SCCS (Silver-Plated Copper Clad Steel)
- Inner Braid:** Flat silver-plated copper strip
- Outer Braid:** PC (Round Silver-Plated Copper Braid)
- Dielectric:** PTFE (Polytetrafluoroethylene)
- Jacket:** FEP (Fluorinated Ethylene Propylene)
- Cable Outer Diameter:** 0.100" (2.54mm)
- Connectors:** Gold-plated brass
- Center Pin:** Gold-plated brass
- Jacket Color:** Blue
- Operating Temperature:** -45°C to +85°C

**Static Bend Radius:** 0.3" Min.

**Electrical Specifications:**

- Impedance:** 50 Ohms
- Frequency:** Up to 12.6 GHz
- Insertion Loss:** 0.83 dB/ft Typ at 12 GHz
- VSWR: SMA Male/RA** <1.40 to 12.6 GHz
- RA/RA** <1.35 to 6.4 GHz
- Nominal Capacitance:** 31 pF/ft
- Velocity of Propagation:** 70%
- Shield Effectiveness:** Greater than 100 dB
- Attenuation (dB/ft):** 0.15 Typical at 500 MHz
- \*connector loss not included** 0.21 Typical at 1 GHz
- 0.38 Typical at 3 GHz
- 0.56 Typical at 6 GHz
- 0.83 Typical at 12 GHz

- Max Power in (Kwatts):** 0.18 @ 500 MHz
- \*as specified at 25°C/sea level** 0.13 @ 1 GHz
- 0.08 @ 3 GHz
- 0.05 @ 6 GHz
- 0.04 @ 12 GHz



**Available Connector Terminations:**

- SMA Male / SMA Male Right Angle (DC to 12.6 GHz)
- SMA Male Right Angle / SMA Male Right Angle (DC to 6.4 GHz)

*Custom Lengths Available*



12730 COMMONWEALTH DRIVE • FORT MYERS, FL 33913  
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Rev.: E  
 Date: 06-14-16



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**SMA Male [Right Ange] / SMA Male [Straight]**

12.6 GHz Part Number	Description	Length
CCSMA121-MM-086F-12	.086 Flexible RF Coax Cable, SMA Male/Male, RA/Straight	12"
CCSMA121-MM-086F-24	.086 Flexible RF Coax Cable, SMA Male/Male, RA/Straight	24"
CCSMA121-MM-086F-36	.086 Flexible RF Coax Cable, SMA Male/Male, RA/Straight	36"
CCSMA121-MM-086F-48	.086 Flexible RF Coax Cable, SMA Male/Male, RA/Straight	48"
CCSMA121-MM-086F-60	.086 Flexible RF Coax Cable, SMA Male/Male, RA/Straight	60"
CCSMA121-MM-086F-72	.086 Flexible RF Coax Cable, SMA Male/Male, RA/Straight	72"
CCSMA121-MM-086F-120	.086 Flexible RF Coax Cable, SMA Male/Male, RA/Straight	120"

**SMA Male [Right Angle] / SMA Male [Right Angle]**

6.4 GHz Part Number	Description	Length
CCSMA642-MM-086F-12	.086 Flexible RF Coax Cable, SMA Male/Male, RA/RA	12"
CCSMA642-MM-086F-24	.086 Flexible RF Coax Cable, SMA Male/Male, RA/RA	24"
CCSMA642-MM-086F-36	.086 Flexible RF Coax Cable, SMA Male/Male, RA/RA	36"
CCSMA642-MM-086F-48	.086 Flexible RF Coax Cable, SMA Male/Male, RA/RA	48"
CCSMA642-MM-086F-60	.086 Flexible RF Coax Cable, SMA Male/Male, RA/RA	60"
CCSMA642-MM-086F-72	.086 Flexible RF Coax Cable, SMA Male/Male, RA/RA	72"
CCSMA642-MM-086F-120	.086 Flexible RF Coax Cable, SMA Male/Male, RA/RA	120"



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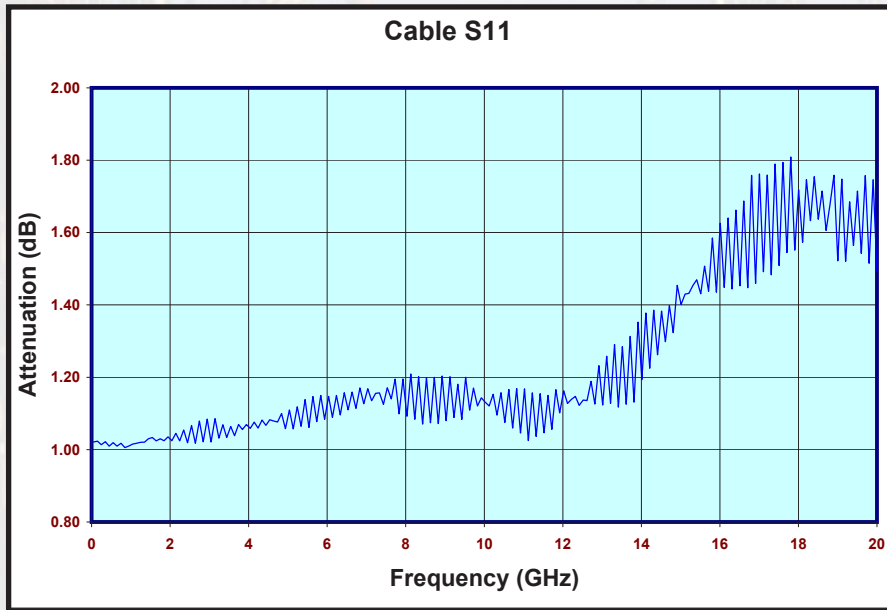


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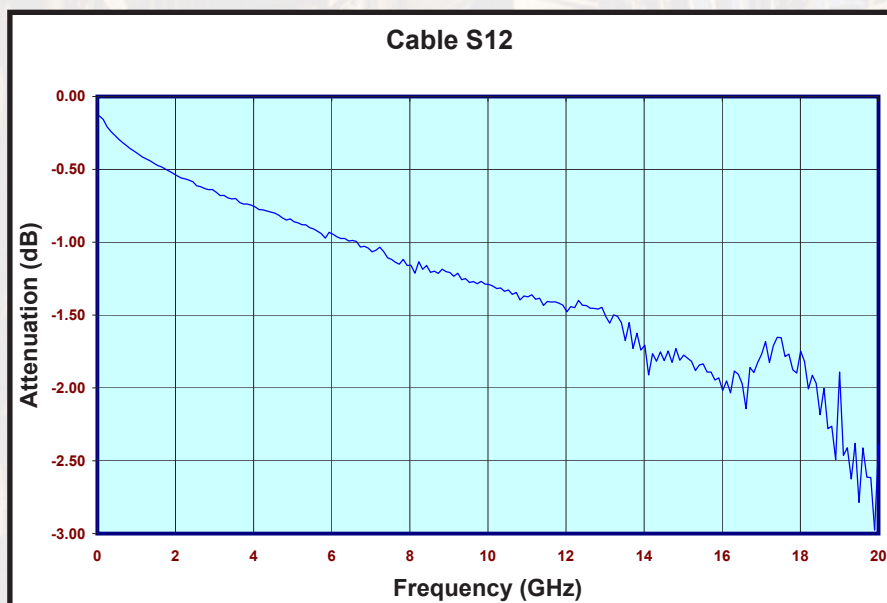
**FLEXIBLE .086 PRECISION  
12.6 GHZ RIGHT ANGLE  
RF COAX CABLE ASSEMBLIES**



**S11 Actual Data Plot PN: CCSMA121-MM-086F-24**



**S12 Actual Data Plot PN: CCSMA121-MM-086F-24**



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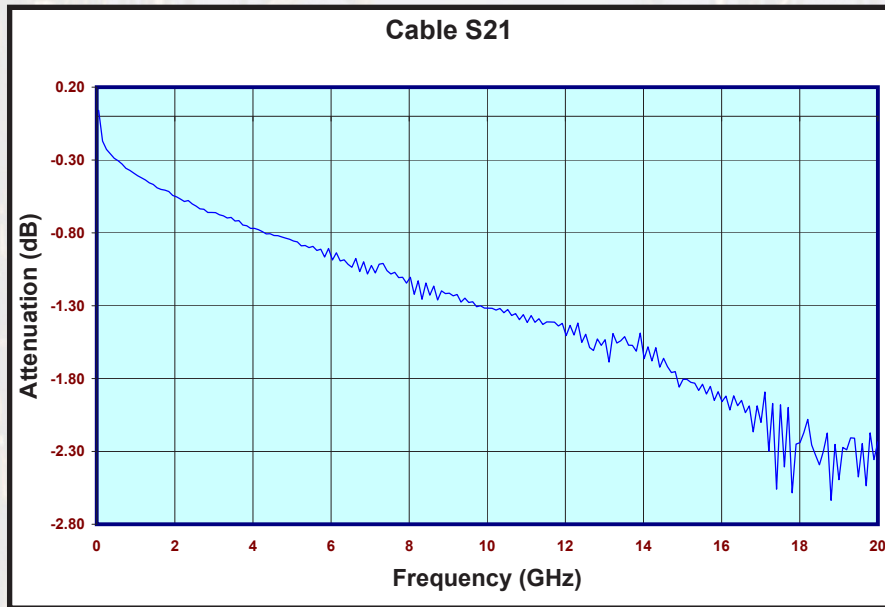


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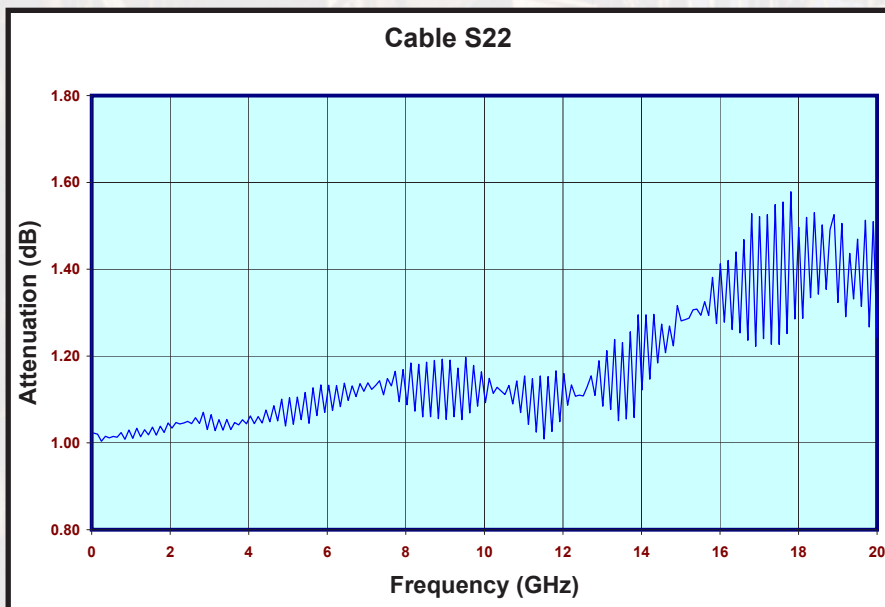
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RF COAX CABLE ASSEMBLIES**



**S21 Actual Data Plot PN: CCSMA121-MM-086F-24**



**S22 Actual Data Plot PN: CCSMA121-MM-086F-24**



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