



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
 PHONE: 239-561-3311 • 800-237-3061 Rev.: E
 FAX: 239-561-1025 • WWW.CRYSTEK.COM 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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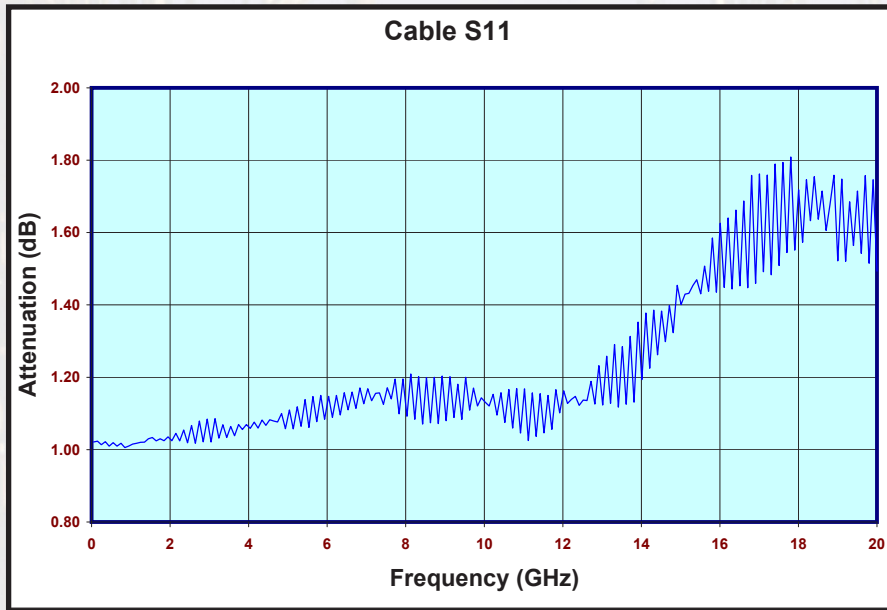


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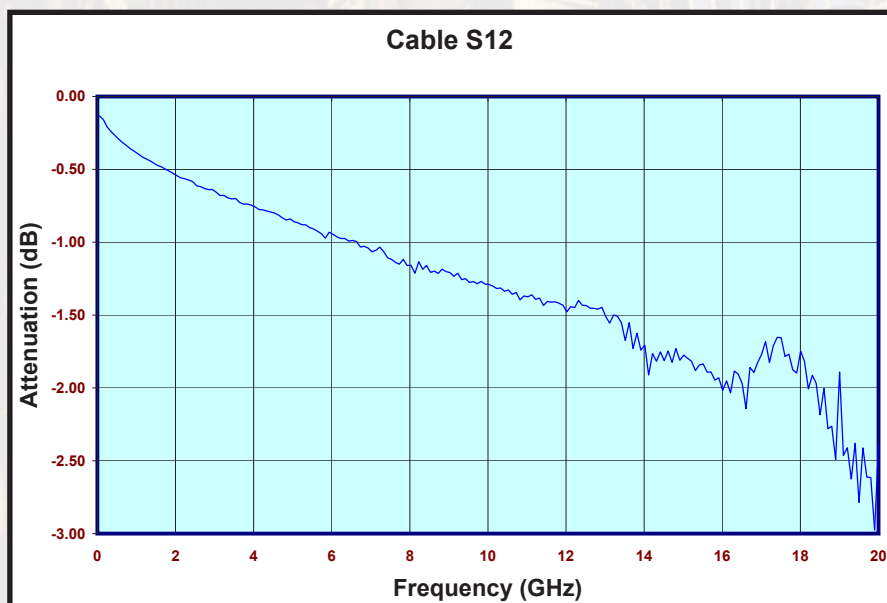
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S11 Actual Data Plot PN: CCSMA121-MM-086F-24



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



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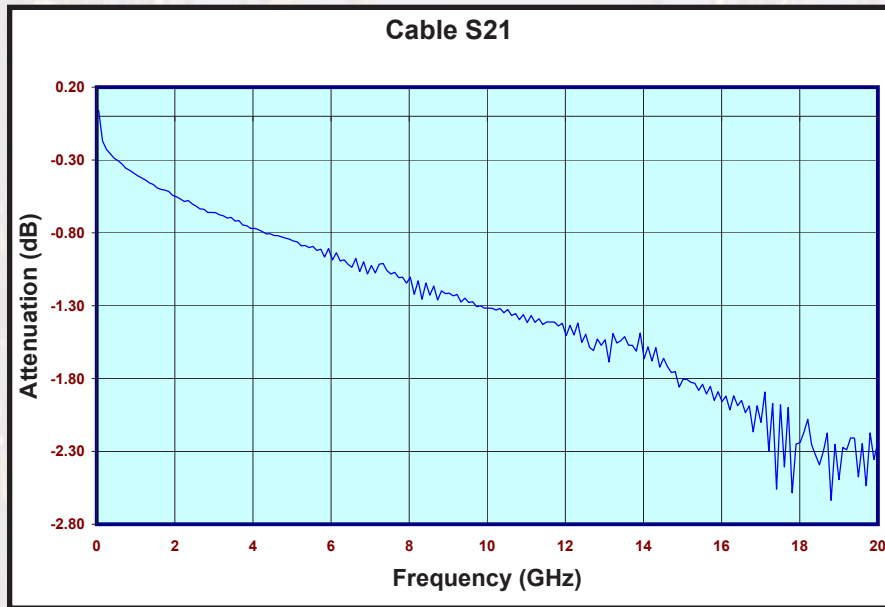


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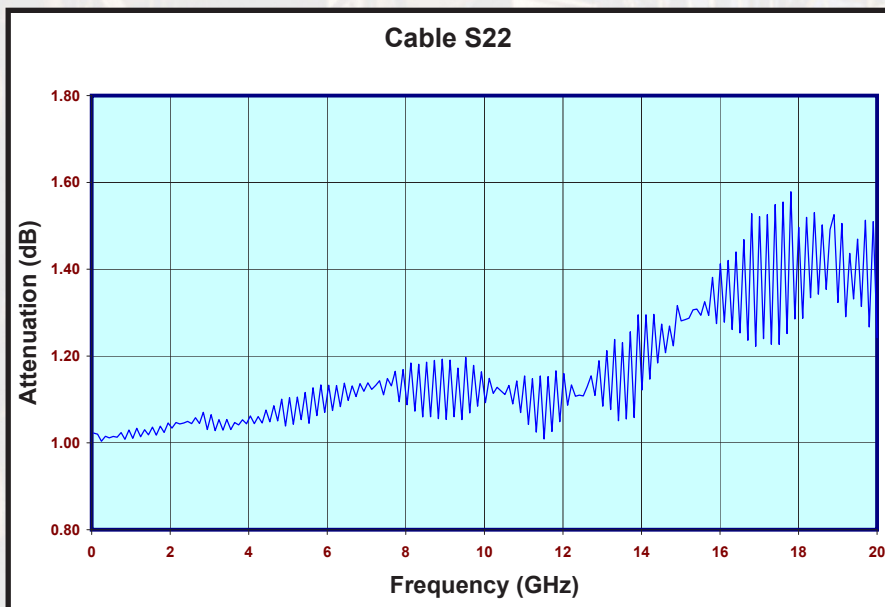
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S21 Actual Data Plot PN: CCSMA121-MM-086F-24



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



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