



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
<i>*connector loss not included</i>	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



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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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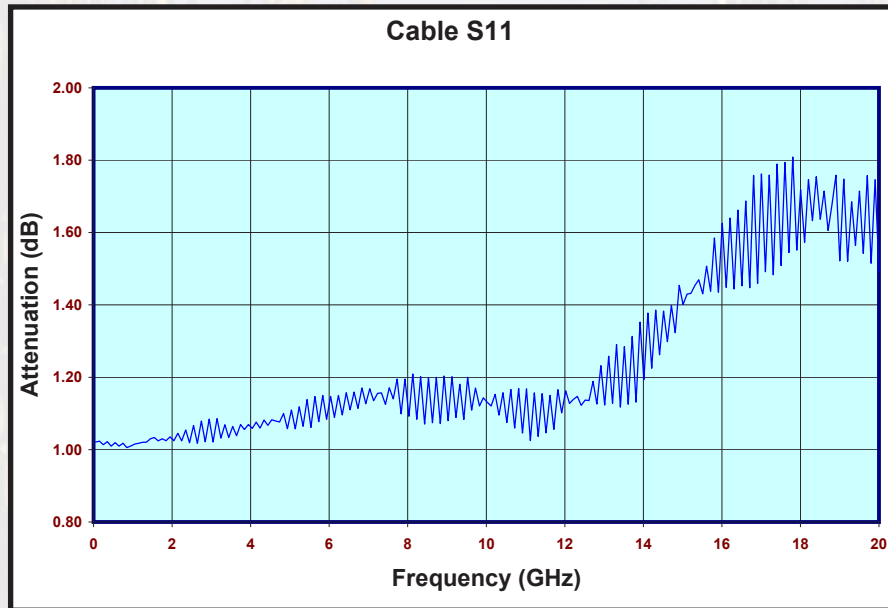


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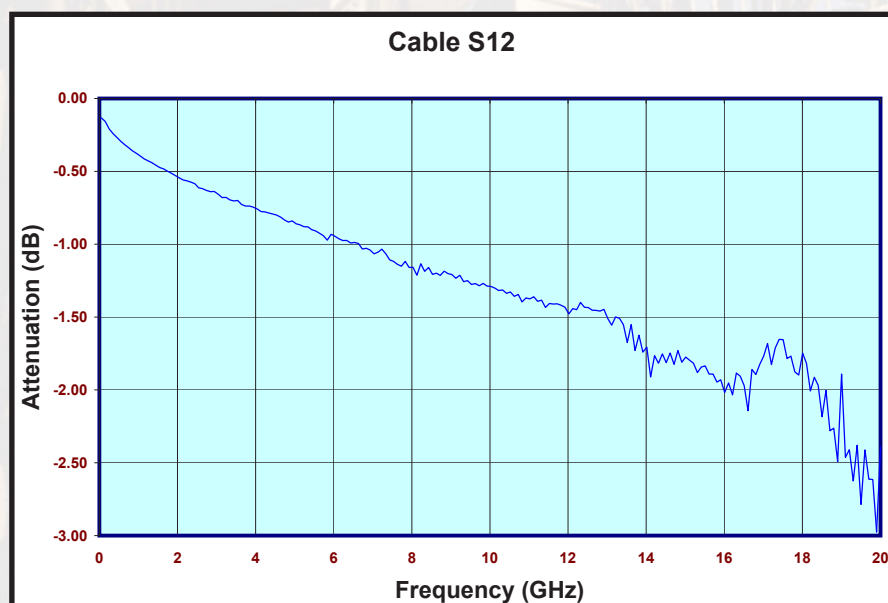
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12.6 GHZ RIGHT ANGLE
RF COAX CABLE ASSEMBLIES**



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



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



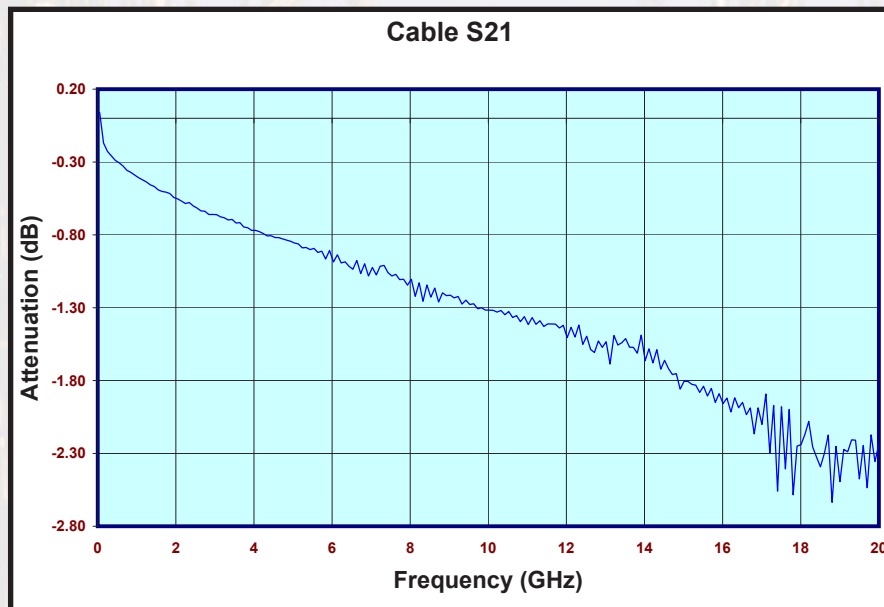


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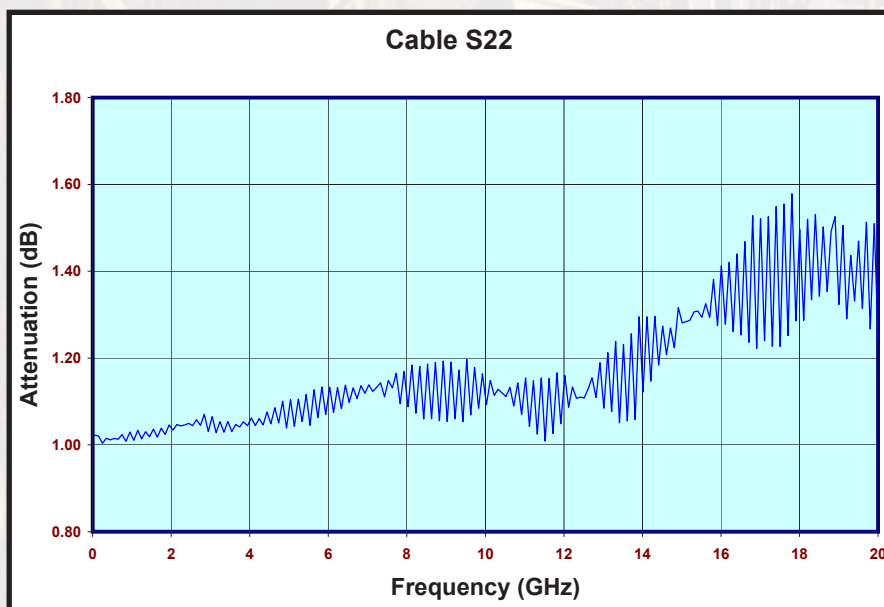
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S21 Actual Data Plot PN: CCSMA121-MM-086F-24



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



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Mouser Electronics

Authorized Distributor

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