

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:	SPCW (Silver-Plated Copper Clad Steel Wire)
Inner Braid:	SPC (Silver-Plated Copper Wrap Tape)
Outer Braid:	SPC (Silver-Plated Copper Braid)
Dielectric:	PTFE (Polytetrafluoroethylene)
Jacket:	FEP (Fluorinated Ethylene Propylene)
Cable Outer Diameter:	0.104 inches (2.64mm)
Connectors:	Gold-Plated Brass
Center Pin:	Gold-Plated Brass
Jacket Color:	Blue
Operating Temperature:	-45°C to +85°C

Static Bend Radius: 0.500 inch (12.70mm) Min

Available Connector Terminations:

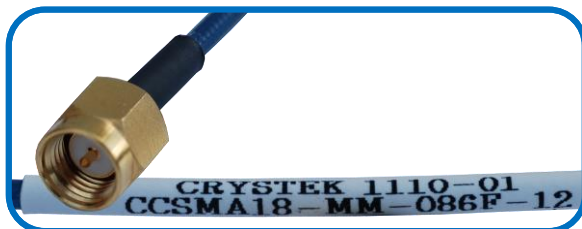
SMA Male / SMA Male Right Angle (DC to 12.6 GHz)
SMA Male Right Angle / SMA Male Right Angle (DC to 12.6 GHz)

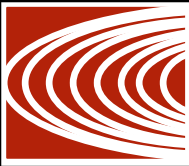
Electrical Specifications:

Impedance:	50 Ohms
Frequency:	Up to 12.6 GHz
Insertion Loss (dB/ft):	0.89 dB/ft Typical at 12 GHz
VSWR: RA/Straight	<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
Min Breakdown Voltage:	4.3 kV
Attenuation (dB/ft):	0.18 Typical at 500 MHz
connector loss not included	0.24 Typical at 1 GHz
	0.42 Typical at 3 GHz
	0.66 Typical at 6 GHz
	0.89 Typical at 12 GHz

CW Power (Watts):	198 @ 500 MHz
as specified at 25°C	140 @ 1 GHz
sea level	81 @ 3 GHz
	57 @ 6 GHz
	42 @ 12 GHz

Custom Lengths Available





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

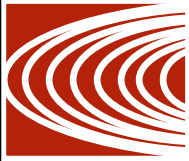
SMA Male [Right Angle] / SMA Male [Straight]

12.6 GHz Part Number	Description	Length
CCSMA121-MM-086F-12	.086 Flexible RF Coax Cable, SMA Male RA / SMA Male Straight	12"
CCSMA121-MM-086F-24	.086 Flexible RF Coax Cable, SMA Male RA / SMA Male Straight	24"
CCSMA121-MM-086F-36	.086 Flexible RF Coax Cable, SMA Male RA / SMA Male Straight	36"
CCSMA121-MM-086F-48	.086 Flexible RF Coax Cable, SMA Male RA / SMA Male Straight	48"
CCSMA121-MM-086F-60	.086 Flexible RF Coax Cable, SMA Male RA / SMA Male Straight	60"
CCSMA121-MM-086F-72	.086 Flexible RF Coax Cable, SMA Male RA / SMA Male Straight	72"
CCSMA121-MM-086F-120	.086 Flexible RF Coax Cable, SMA Male RA / SMA Male 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 RA / SMA Male RA	12"
CCSMA642-MM-086F-24	.086 Flexible RF Coax Cable, SMA Male RA / SMA Male RA	24"
CCSMA642-MM-086F-36	.086 Flexible RF Coax Cable, SMA Male RA / SMA Male RA	36"
CCSMA642-MM-086F-48	.086 Flexible RF Coax Cable, SMA Male RA / SMA Male RA	48"
CCSMA642-MM-086F-60	.086 Flexible RF Coax Cable, SMA Male RA / SMA Male RA	60"
CCSMA642-MM-086F-72	.086 Flexible RF Coax Cable, SMA Male RA / SMA Male RA	72"
CCSMA642-MM-086F-120	.086 Flexible RF Coax Cable, SMA Male RA / SMA Male RA	120"

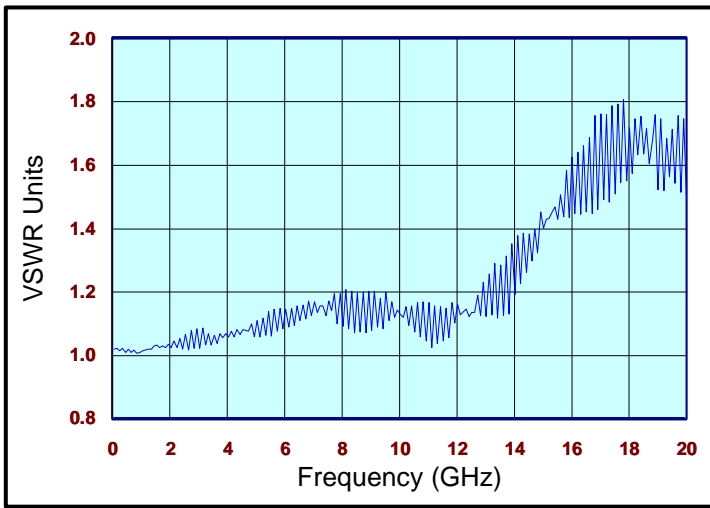




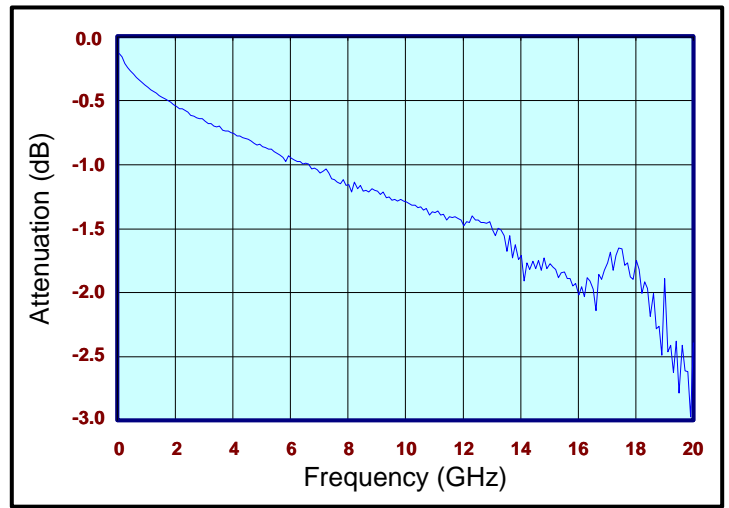
**FLEXIBLE .086 PRECISION
 12.6 GHz RIGHT ANGLE
 RF COAX CABLE ASSEMBLIES**

Data plots contained within this specification are generated from actual production cable assemblies. This data represents the typical performance that can be expected from each cable assembly. The data is plotted from raw data without modification (ie: Smoothing or Averaging.)

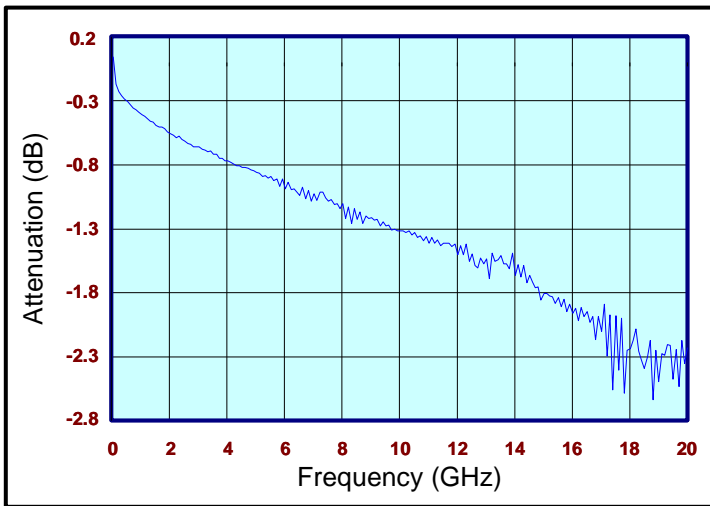
PN: CCSMA121-MM-086F-24
 VSWR (S11)



PN: CCSMA121-MM-086F-24
 INSERTION LOSS (S12)



PN: CCSMA121-MM-086F-24
 INSERTION LOSS (S21)



PN: CCSMA121-MM-086F-24
 VSWR (S22)

