



CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

26.5 GHZ LOW LOSS RF COAX CABLE ASSEMBLIES 2.92mm(K) AND SMA STAINLESS STEEL CONNECTORS



26.5 GHz Low Loss Coaxial Cables

Features:

Strain Relief:	Heavy duty adhesive strain relief
Center Conductor:	Silver-plated solid copper
Inner Braid:	Flat silver-plated copper strip
Outer Braid:	PC (Round Silver-Plated Copper Braid)
Dielectric:	Low density microporous PTFE (Polytetrafluoroethylene)
Jacket:	FEP (Fluorinated Ethylene Propylene)
Cable Outer Diameter:	0.205" (5.21mm)
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: 1.1"

Custom Lengths Available

Connector Corrosion (salt spray):

MIL-STD-202, method 101, test cond. B 5% salt solution.

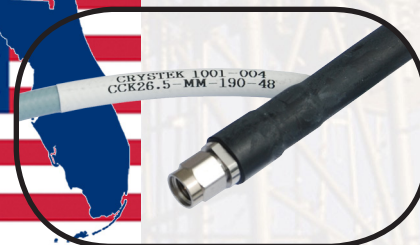
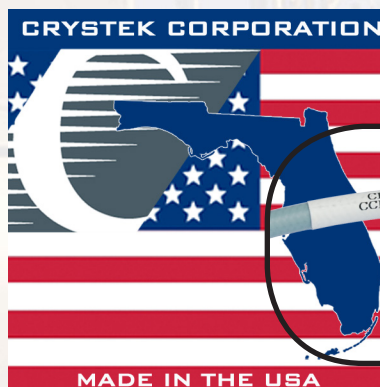
Connector Durability:

500 connections Minimum

Electrical Specifications:

Impedance:	50 Ohms
Frequency:	Up to 26.5 GHz
Insertion Loss:	<0.5 dB/ft at 26.5 GHz
VSWR:	<1.35 to 26.5 GHz
Max Operating Voltage:	500V RMS
Nominal Capacitance:	27.0 pF/ft
Velocity of Propagation:	76%
Shield Effectiveness:	Greater than 90 dB
Attenuation (dB/ft):	0.05 Max at 500 MHz
	0.11 Max at 2 GHz
	0.30 Max at 12 GHz
	0.38 Max at 18 GHz
	0.50 Max at 26.5 GHz

*connector loss not included



Electrical Test Data Supplied With Each Cable Assembly

2.92mm(K) / 2.92mm(K) [Straight/Straight]

Part Number	Description	Length
CCK26.5-MM-190-30	26.5 GHz Low Loss Coax Cable, 2.92mm(K) Male/Male, Straight/Straight	30"
CCK26.5-MM-190-36	26.5 GHz Low Loss Coax Cable, 2.92mm(K) Male/Male, Straight/Straight	36"
CCK26.5-MM-190-39.4	26.5 GHz Low Loss Coax Cable, 2.92mm(K) Male/Male, Straight/Straight	39.4"
CCK26.5-MM-190-48	26.5 GHz Low Loss Coax Cable, 2.92mm(K) Male/Male, Straight/Straight	48"

SMA / SMA [Straight/Straight]

Part Number	Description	Length
CCSMA26.5-MM-190-30	26.5 GHz Low Loss Coax Cable, SMA Male/Male, Straight/Straight	30"
CCSMA26.5-MM-190-36	26.5 GHz Low Loss Coax Cable, SMA Male/Male, Straight/Straight	36"
CCSMA26.5-MM-190-39.4	26.5 GHz Low Loss Coax Cable, SMA Male/Male, Straight/Straight	39.4"
CCSMA26.5-MM-190-48	26.5 GHz Low Loss Coax Cable, SMA Male/Male, Straight/Straight	48"



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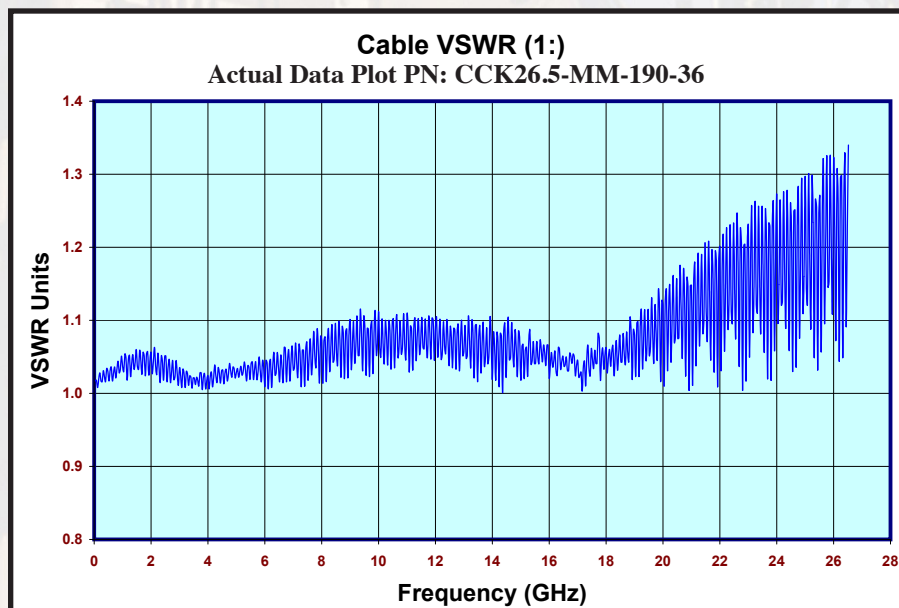
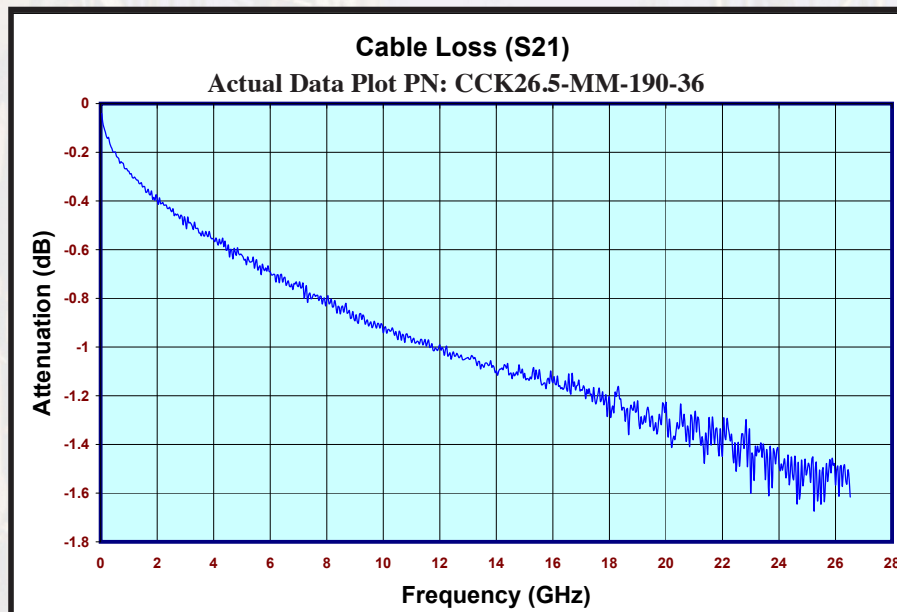
PHONE: 239-561-3311 • 800-237-3061 Rev.: C

FAX: 239-561-1025 • WWW.CRYSTEK.COM Date: 04-07-14



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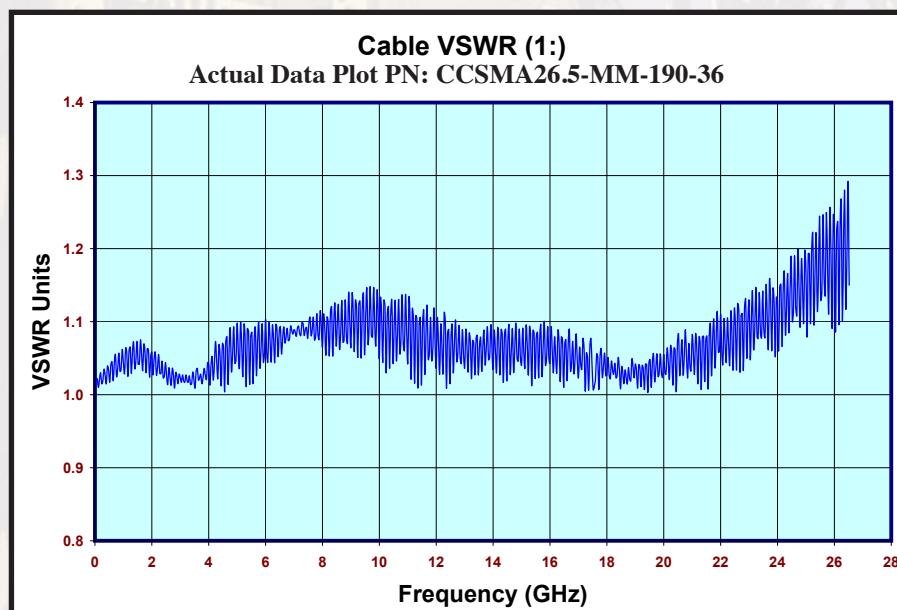
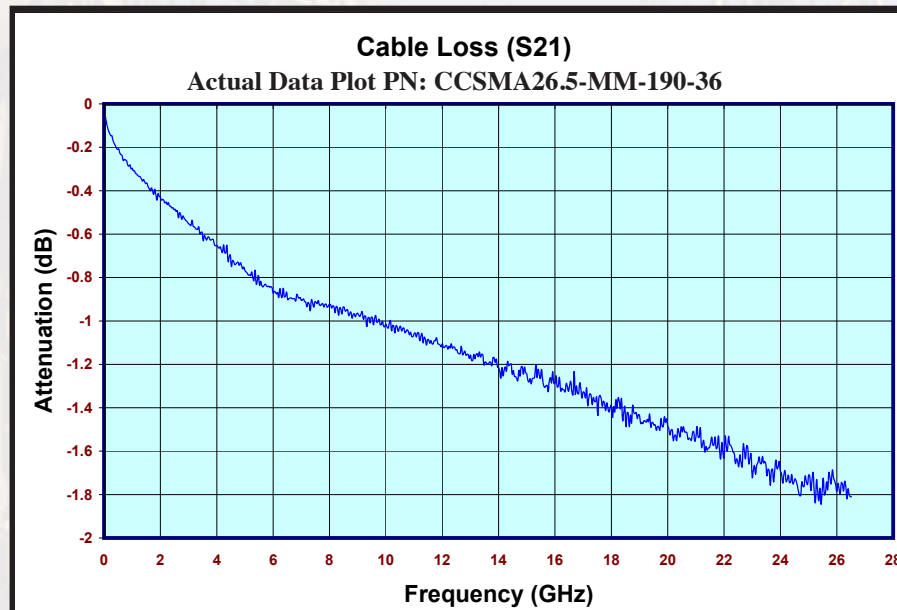
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Mouser Electronics

Authorized Distributor

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