



CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

40 GHZ LOW LOSS RF COAX CABLE ASSEMBLIES WITH 2.92mm (K) STAINLESS STEEL CONNECTORS



40 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:	0.160" (4.06mm)
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: 1.0"

Custom Lengths Available

Mechanical Specifications:

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 40 GHz
Insertion Loss:	<0.9 dB/ft at 40 GHz
VSWR:	<1.35 to 40 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):	0.08 Max at 500 MHz
	*connector loss not included
	0.17 Max at 2 GHz
	0.45 Max at 12 GHz
	0.57 Max at 18 GHz
	0.70 Max at 26 GHz
	0.90 Max at 40 GHz



Electrical Test Data Supplied With Each Cable Assembly

2.9mm(K) / 2.9mm(K) [Straight/Straight]

Part Number	Description	Length
CCK40-MM-160-30	40 GHz Low Loss Coax Cable, 2.9mm(K) Male/Male, Straight/Straight	30"
CCK40-MM-160-36	40 GHz Low Loss Coax Cable, 2.9mm(K) Male/Male, Straight/Straight	36"
CCK40-MM-160-39.4	40 GHz Low Loss Coax Cable, 2.9mm(K) Male/Male, Straight/Straight	39.4"
CCK40-MM-160-48	40 GHz Low Loss Coax Cable, 2.9mm(K) Male/Male, Straight/Straight	48"



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12730 COMMONWEALTH DRIVE • FORT MYERS, FL 33913

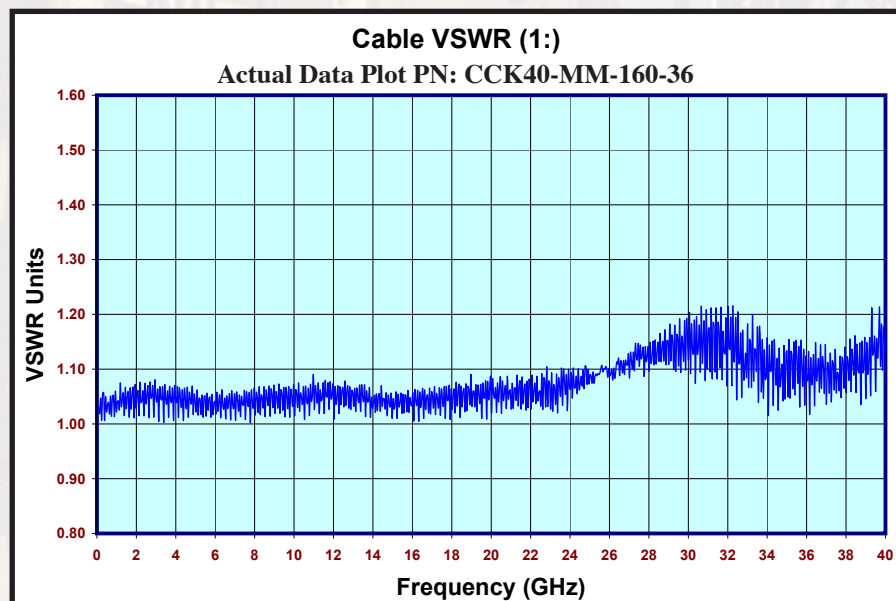
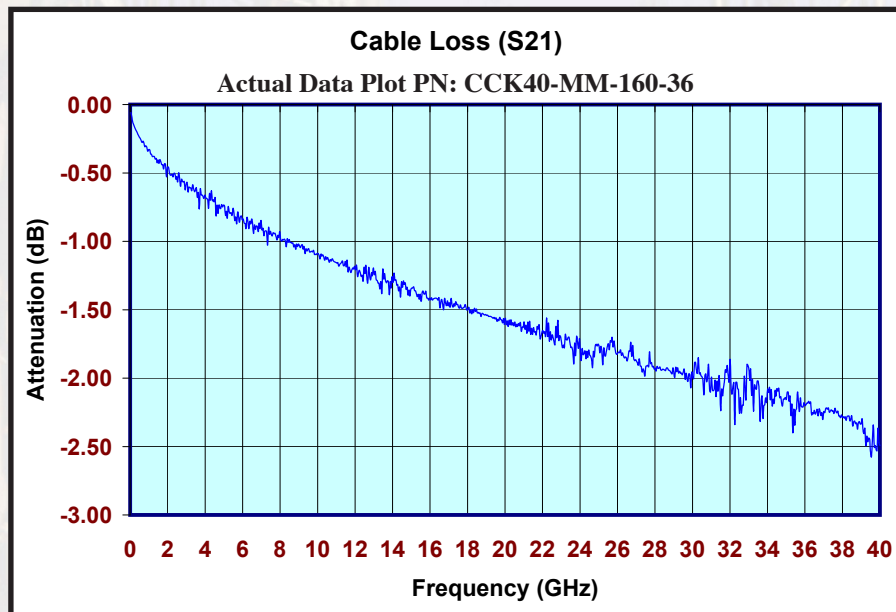
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Mouser Electronics

Authorized Distributor

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