

MECHANICAL CHARACTERISTICS

Outer Diameter, inch (mm)	0.147 (3.73)
Minimum Bend Radius, inch (mm)	0.5 (1.27)
Flexures	10,000
Weight, grams/ft. (meter)	12.1 (39.7)

ELECTRICAL CHARACTERISTICS

Impedance(ohms)	50
Frequency Range (GHz)	0.05 - 40
Velocity of Propagation	77%
Capacitance, pF/ft. (pF/meter)	26.2 (85.96)
Shielding Effectiveness, dB @ 1GHz	>100
Maximum Insertion Loss , dB/ft. (dB/meter)	Frequency

1.0 GHz
10.0 GHz
18.0 GHz
26.5 GHz
40.0 GHz
50.0 GHz

Insertion Loss per Catalog
0.11 (0.36)
0.39 (1.28)
0.54 (1.77)
0.67 (2.2)
0.85 (2.79)
N/A ()

Phase Stability Versus Flexure	10 GHz: 2 ⁰
	18 GHz: 4 ⁰
VSWR	Based on connector selections.

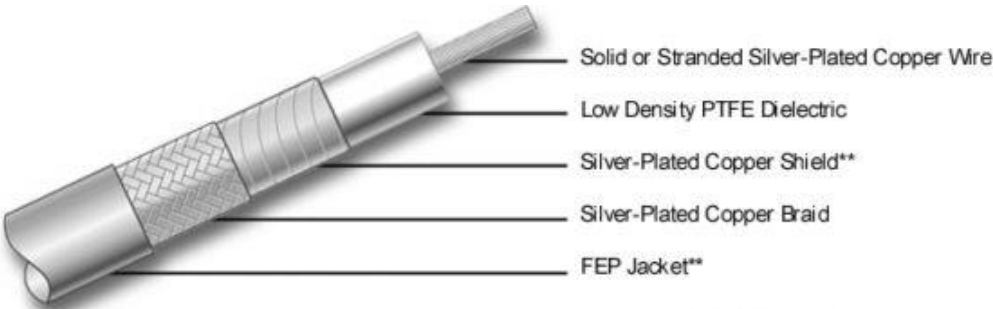
ENVIRONMENTAL CHARACTERISTICS

Temperature Range(Deg C)	-65/+165
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MATERIALS

Outer jacket	Fluorinated Ethylene Propylene (FEP)
Braid	SPC Braid
Outer Conductor	Silver plated copper tape
Dielectric	LD PTFE
Center Conductor	Solid SPC

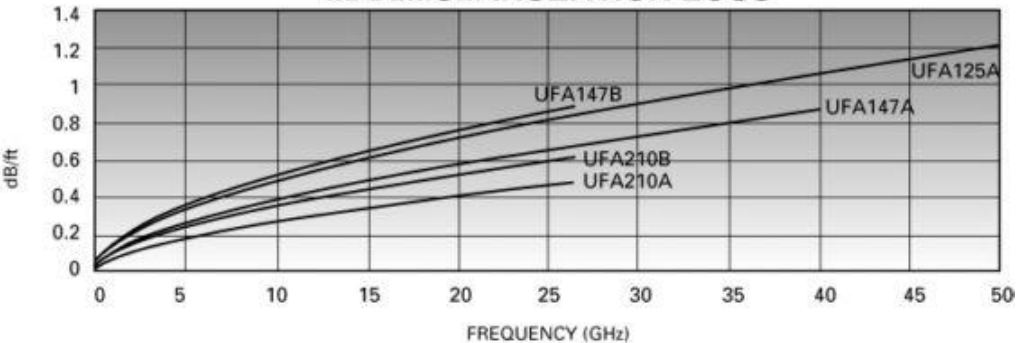
CUTAWAY



**Not typical for UGN070D

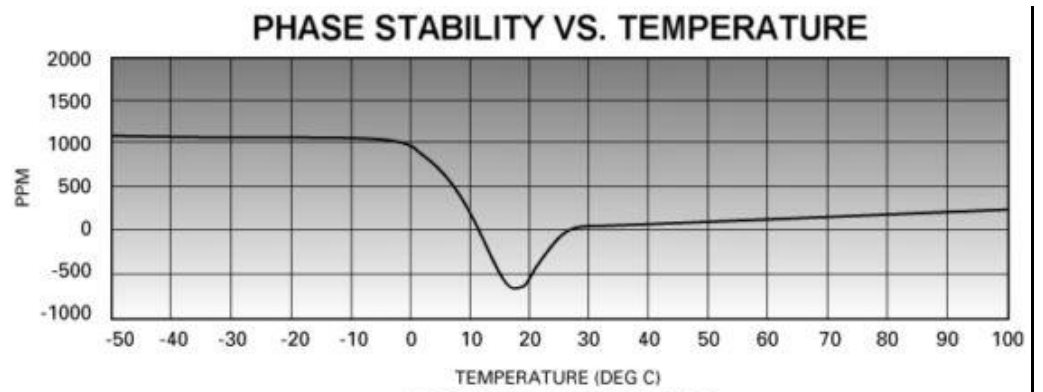
CHARTS

MAXIMUM INSERTION LOSS



Insertion Loss Chart

Phase Chart



Power Chart

Average Power Handling, Watts CW at 20 degrees Celsius and Sea level

