

MECHANICAL CHARACTERISTICS

Outer Diameter, inch (mm)	0.197 (5)
Minimum Bend Radius, inch (mm)	0.5 (12.7)
Flexures	150,000
Weight, grams/ft. (meter)	19.8 (64.98)

ELECTRICAL CHARACTERISTICS

Impedance(ohms)	50
Frequency Range (GHz)	0.05 – 26.5
Velocity of Propagation	81%
Capacitance, pF/ft. (pF/meter)	26.9 (88.25)
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
0.09 (0.3)
0.28 (0.92)
0.38 (1.25)
0.47 (1.54)

N/A ()
N/A ()

Phase Stability Versus Flexure	10 GHz: 2 ⁰
	18 GHz: 4.5 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	ULD PTFE
Center Conductor	7 Strand SPC

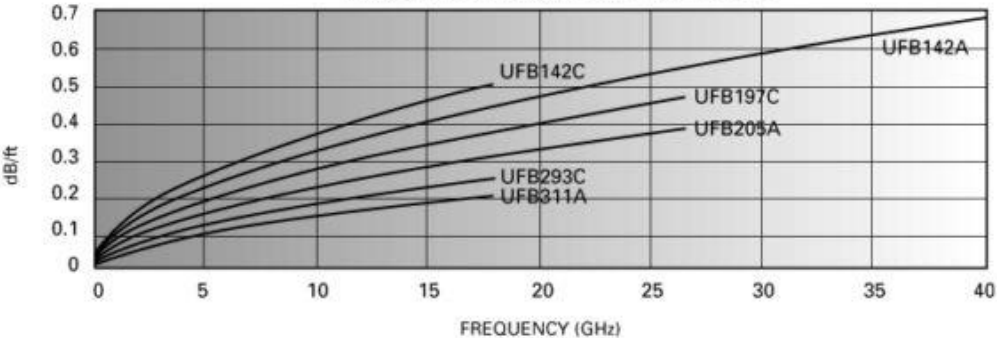
CUTAWAY



**Not typical for UGN070D

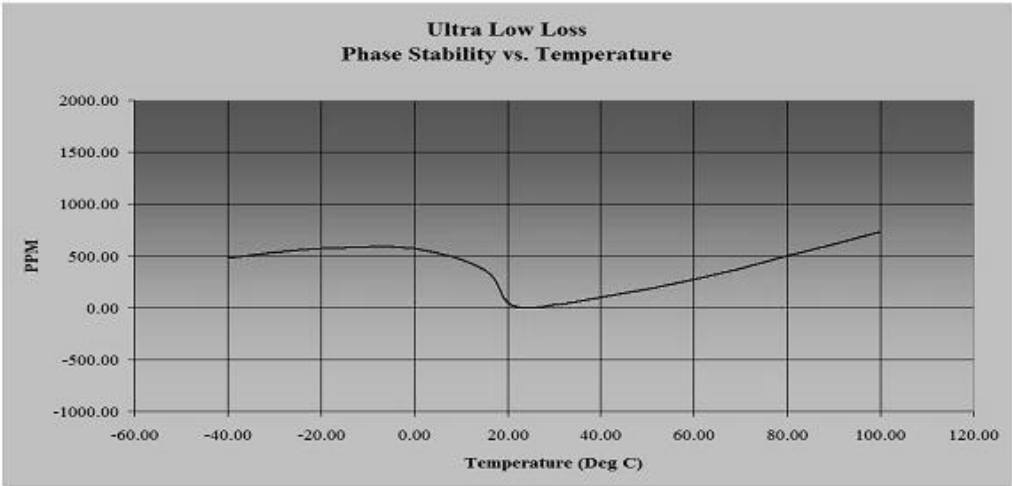
CHARTS

MAXIMUM INSERTION LOSS



Insertion Loss Chart

Phase Chart



Power Chart

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

