

MECHANICAL CHARACTERISTICS

Outer Diameter, inch (mm)	0.205 (5.21)
Minimum Bend Radius, inch (mm)	0.5 (12.7)
Flexures	0
Weight, grams/ft. (meter)	20.6 (67.59)

ELECTRICAL CHARACTERISTICS

Impedance(ohms)	50
Frequency Range (GHz)	0.05 – 26.5
Velocity of Propagation	83%
Capacitance, pF/ft. (pF/meter)	24.39 (80.02)
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
0.08 (0.26)
0.3 (0.98)
0.43 (1.41)
0.55 (1.8)
N/A ()
N/A ()

Phase Stability Versus Flexure	10 GHz: 0 ⁰
	18 GHz: 0 ⁰

VSWR	Based on connector selections.
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ENVIRONMENTAL CHARACTERISTICS

Temperature Range(Deg C)	-65/+125
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MATERIALS

Outer jacket	FEP
Braid	SPC
Outer Conductor	SPC - High Silver
Dielectric	FFR
Center Conductor	SPC

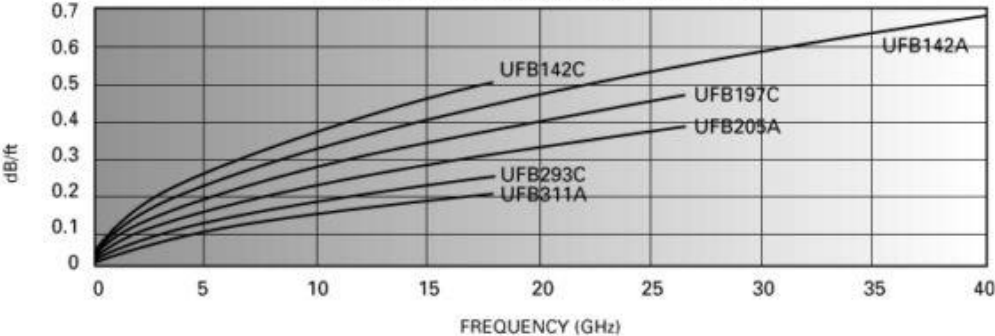
CUTAWAY



**Not typical for UGN070D

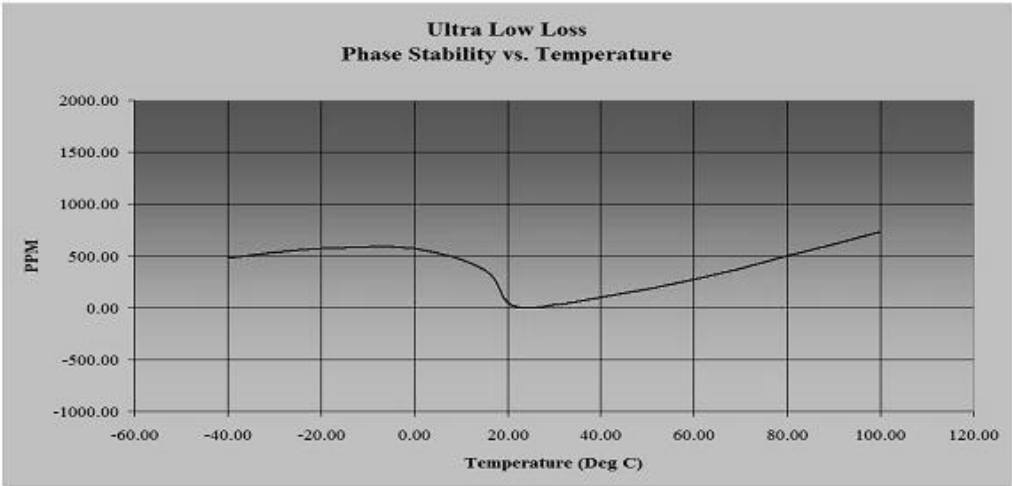
CHARTS

MAXIMUM INSERTION LOSS



Insertion Loss Chart

Phase Chart



Power Chart

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

