

MECHANICAL CHARACTERISTICS

Outer Diameter, inch (mm)	0.125 (3.175)
Minimum Bend Radius, inch (mm)	0.2 (5.08)
Flexures	10,000
Weight, grams/ft. (meter)	8.8 (26)

ELECTRICAL CHARACTERISTICS

Impedance(ohms)	50
Frequency Range (GHz)	0.05 - 50
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

Insertion Loss per Catalog

0.14 (0.46)
0.48 (1.57)
0.66 (2.17)
0.82 (2.69)
1.04 (3.41)
1.19 (3.9)

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

10 GHz: 3 ⁰
18 GHz: 5 ⁰

VSWR	Based on connector selections.
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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

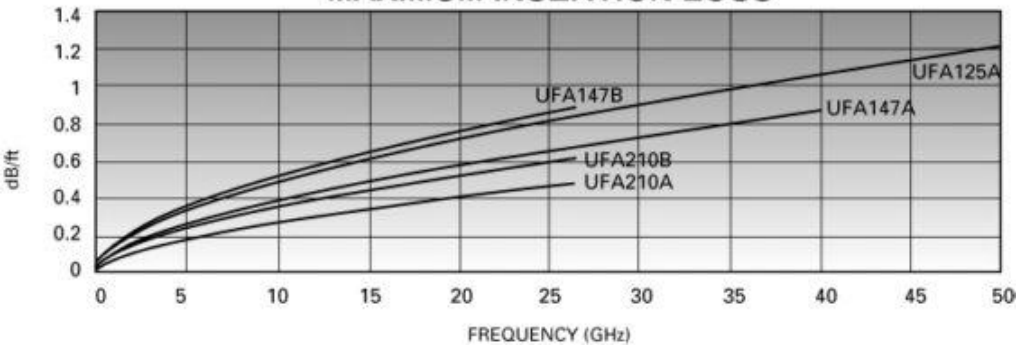
CUTAWAY



**Not typical for UGN070D

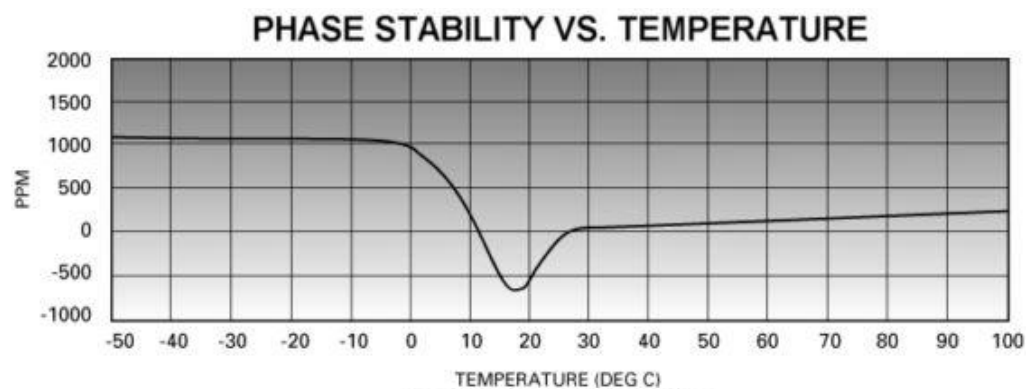
CHARTS

MAXIMUM INSERTION LOSS



Insertion Loss Chart

Phase Chart



Power Chart

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

