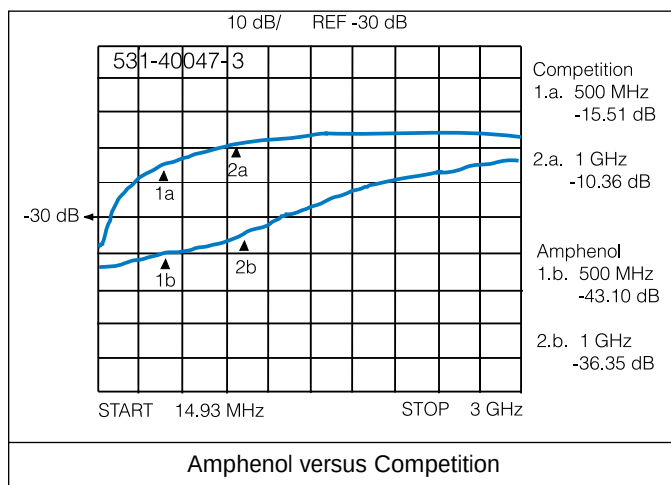


SPECIFICATIONS

Impedance:	75 ohms
RF Leakage:	-100 dB min. @ 1 GHz
Temperature Range:	-40°F to +140°F (-40°C to +60°C)



Amphenol Number	Frequency Range	Return Loss
531-40001	0-1 GHz 1-3 GHz	30 dB minimum 15 dB minimum
531-40035-1006	0-1 GHz 1-3 GHz	20 dB minimum 10 dB minimum
531-40039	0-1 GHz 1-3 GHz	30 dB minimum 15 dB minimum
531-40046	0-1 GHz 1-3 GHz	30 dB minimum 15 dB minimum
531-40047-3	0-1 GHz 1-3 GHz	30 dB minimum 15 dB minimum

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Top view of the part showing a circular feature with a diameter of .380(9.6) and a central hole with a diameter of .310(7.9).

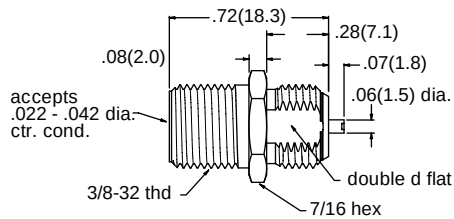
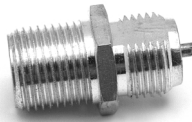
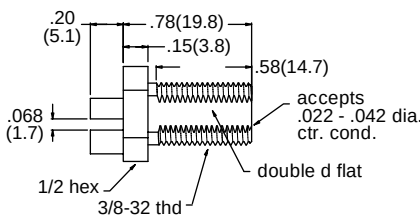
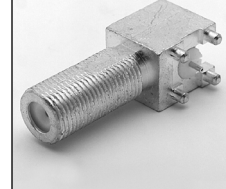
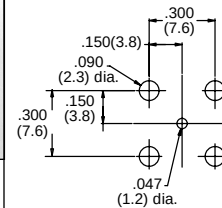
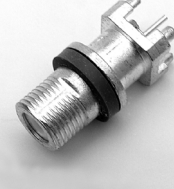
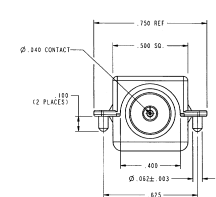
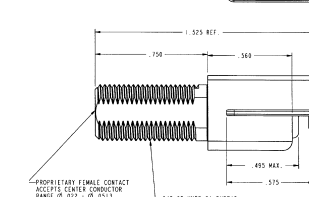
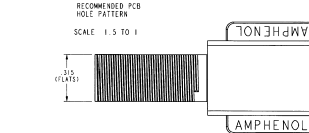
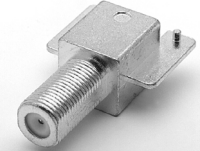
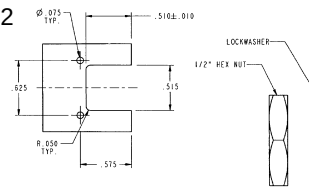


Fig. 2



Technical drawing of a vacuum furnace assembly. The drawing shows a cross-section of the assembly with various dimensions and labels. The dimensions are given in inches and millimeters.

- Overall width: .90 (22.9)
- Top left dimension: .26 (6.6)
- Top right dimension: .44 (11.2)
- Dimension between top left and top right: .06 (1.5)
- Dimension between top right and center: .09 (2.3)
- Dimension between center and right edge: .04 (1.0)
- Dimension between right edge and center: .09 dia. typ.
- Dimension between center and right edge: 7/16 sq.
- Labels:
 - accepts .022 - .042 dia. ctr. cond.
 - 3/8-32 thd
 - double d flat
 - gasket

Technical drawing of a probe assembly. The drawing shows a side view of the assembly with the following dimensions and labels:

- Overall length: 1.30 (33.0)
- Threaded section length: .53 (13.5)
- Thread specification: 3/8-32 thd
- Probe tip diameter: .06 (1.5) max.
- Probe tip length: .48 (12.2)
- Probe body diameter: .115 (2.3)
- Probe body length: .035 (.89) dia.
- Probe body thread: .08 (2.0) dia. typ.
- Labels:
 - accepts .022 - .042 dia. ctr. cond.
 - double d flat
 - hex nut (1/2 x 1/16)
 - lockwasher

Amphenol Number	Materials			Terminal Type	Fig.
	Body (plating)	Contact (plating)	Insulator		
531-40001	brass (tin lead)	phosphor bronze (tin lead)	PTFE	Flat Tab	1
531-40035-1006	zinc die cast (tin lead)	beryllium copper (tin lead)	PTFE	Flat Tab	2
531-40039	brass (tin lead)	phosphor bronze (tin lead)	PTFE	Round	3
531-40046	zinc die cast (tin lead)	phosphor bronze (tin lead)	Polypropylene	Round	4
531-40047-3	zinc die cast (tin lead)	phosphor bronze (tin lead)	Polypropylene	Round	5
531-40047-4	zinc die cast (tin lead)	phosphor bronze (tin lead)	Polypropylene	Round	5