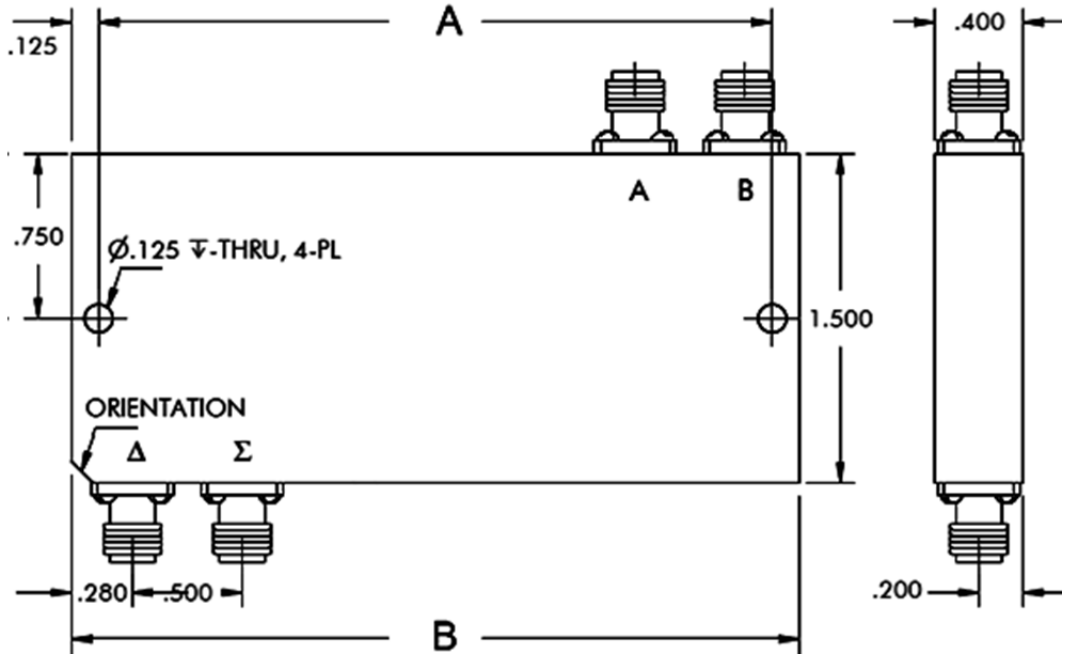
RADITEK INC.

RoHS COMPLIANT

code-w18

180 Degree Quadrature Hybrid, 2.0-18.0GHz Full or Split Band SMA Connectors, 20Watts



Units: inch
Not to scale

	Dimension:	
Frequency	**A**	**B**
2~6GHz	5.250”	5.500”
6~18GHz	2.250”	2.500”
2~18GHz	5.250”	5.500”

CONFIGURATION

	In-Phase	**In-Phase**	**180-deg**	**180-deg**
Port	**Divider**	**Combiner**	**Divider**	**Combiner**
A	0° Output	0° Input	0° Output	0° Input
B	0° Output	0° Input	180° Output	180° Input
Delta	Terminate	Terminate	Input	Output
Sum	Input	Output	Terminate	Terminate

Order Examples: RQH180-2.0-18.0-Sf-20W-w18
Description: (180 Degree Quadrature Hybrid, 2.0-18.0GHz, SMA Connectors, 20Watts)

Specifications				**Units**
Frequency	**2-6**	**6-18**	**2-18**	GHz
Insertion loss	1.6	2.5	2.5	dB
Input Power	20	20	20	Watts Avg. max.
VSWR Input/ Output	1.8:1	1.8:1	1.8:1	
Isolation	14 min	14 min	14 min	dB
Phase Balance	±16	±16	±16	° max.
Amplitude Balance	±1.2	±1.2	±1.2	dB max
Operating Temperature	-40 to +65 (Tested at +25)			˚C
R.F. Interface	SMA-Female 50-ohm, 1/4-36 Thread			
Environment	Indoor use only			
Material	Aluminum 6061-T6 or Equivalent			
Finish	Grey Acrylic Paint			

Rated power for load VSWR 1.20:1 max

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