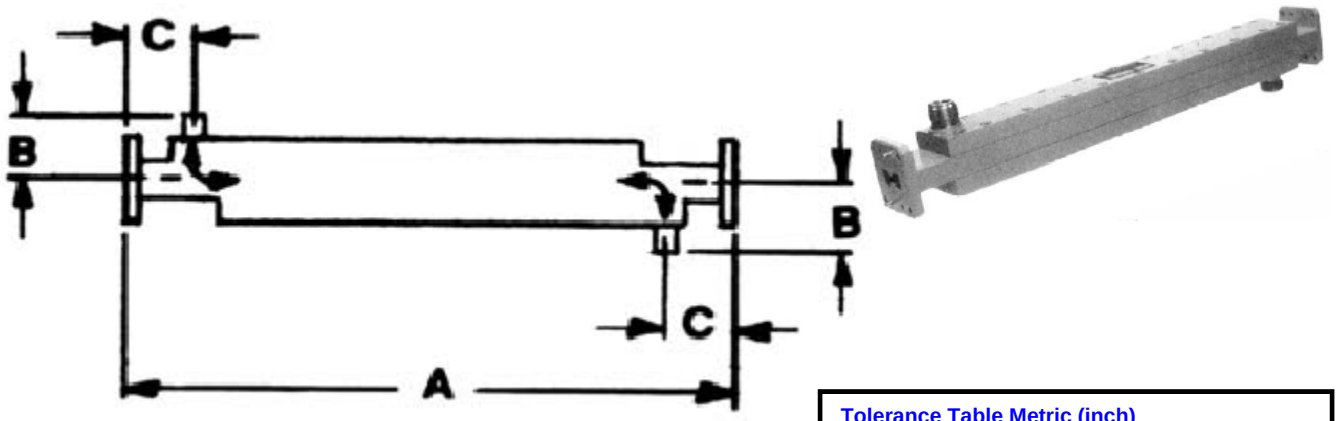
RADITEK INC.

RoHS COMPLIANT

code-q11

Dual Directional, Double Ridge, Waveguide Coupler, 6.5-18.0GHz

40dB Coupling, WRD650, SMA Female Connectors, 300 Watts



Dimensions (inch)		
A	B	C
12	1.2	1.4

Tolerance Table Metric (inch)
(unless otherwise stated):
Hole diameter +/- 0.1mm, (+/- 0.004")
Dimensions (w*l*h) +/- 0.3 mm, (+/- 0.015")
Dimensions (Coax Connector position)
+/- 0.3mm, (+/- 0.012")
Dimensions (Waveguide Slot Position),
+/- 0.1mm, (+/- 0.04")
Dimensions (hole position) +/- 0.1mm, (+/- 0.04")
Machined surfaces
Flatness 0.025/mm, (0.001/ inch)
Bend radius 0.8mm, (0.031" or 1/32")

Order Examples: **RDDCPL-6.5-18.0-40d-WRD650-Sf-300W-q11**
Description: *(Dual Directional Coupler, 6.5-18.0GHz, 40dB Coupling, WRD650 Package, SMA Female Connector, 300 Watts)*

Specifications			Unit
Frequency of operation		6.5~18.0	GHz
Frequency sensitivity		± 1.0	dB
Flatness		±0.85	dB
Forward coupling		40	dB typical
Reverse coupling		40	dB typical
Accuracy of coupling (forward & reverse)		±0.8	dB
Waveguide size		WRD650	
Insertion loss		0.5	dB max
Directivity		35	dB Typ
		30	dB min
VSWR	Mainline	1.10:1	max.
	Secondary ports	1.35:1	
Average Power		300	Watts
Connectors for coupled ports		SMA female	

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