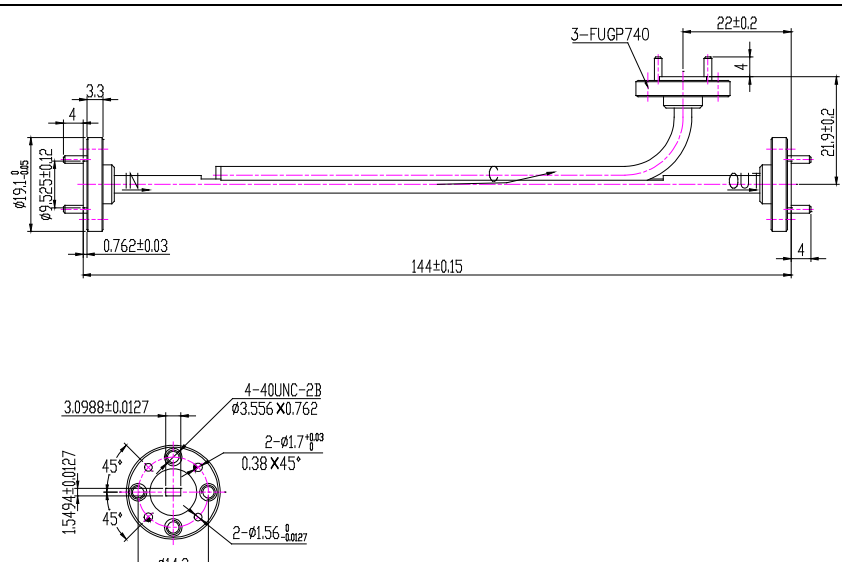


Broadwall Directional Coupler

Part No: VT740WC30PPPC

1.0	Mechanical Specifications	
1.1	Waveguide Type	WR12
1.2	Flange Type	FUGP740
1.3	Finish	Gold plating
1.4	Material	Copper
2.0 Electrical Specifications		
2.1	Frequency Range	60-90 GHz
2.2	VSWR (Max)	1.20 (Main line), 1.25 (Secondary line)
2.3	Coupling	30 dB
2.4	Nominal Accuracy	± 1.5 dB
2.5	Directivity (Min)	25 dB
3.0 Outline Drawings		
 <p>The drawing shows a side view and a top view of the Broadwall Directional Coupler. The side view includes dimensions: 3.3, 4, 4, $\phi 9.525 \pm 0.12$, 0.762 ± 0.03, 144 ± 0.15, 22 ± 0.2, 4, 21.9 ± 0.2, and 4. The top view includes dimensions: 3.0988 ± 0.0127, 1.5494 ± 0.0127, 45°, 45°, $\phi 14.3$, $4-40\text{UNC}-2\text{B}$, $\phi 3.556 \times 0.762$, $2-\phi 1.7 \pm 0.03$, $0.38 \times 45^\circ$, and $2-\phi 1.56 \pm 0.027$. The side view also shows 'IN' and 'OUT' ports and a '3-FUGP740' label.</p>		



Revision History

Date	Revision	Changes
25-Mar-2009	1	First release

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