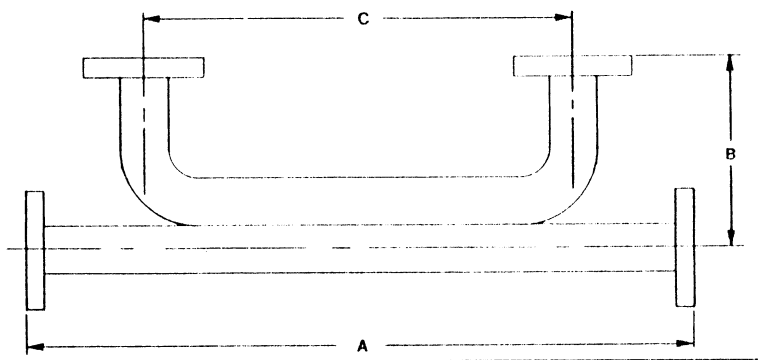


# BROADWALL DIRECTIONAL COUPLERS

4 PORT, UNTERMINATED

SERIES

41



## GENERAL INFORMATION

- FULL WAVEGUIDE FREQUENCY RANGE
- UNITS PRESSURIZED TO 30 PSI
- IDEAL FOR HIGH POWER COMBINER/DIVIDER APPLICATIONS
- STANDARD EXTERIOR FINISH IS FLAT BLACK POLYURETHANE ENAMEL COLOR 37038 PER FED-STD-595

## SPECIFICATIONS

BASIC MODEL	FREQ. RANGE (GHz)	EIA DESIG.	VSWR <sup>2</sup> (max.)		NOM. COUP. (dB)	FREQ. SENS. (dB)	DIREC. <sup>3</sup> TIVITY (dB)	DIM. (inches)		
			PRI.	SEC.				A	B	C
41L	1.12-1.7	WR650	1.05	1.10	±.5	±.6	40	37	8	29
41M	1.7-2.6	WR430	1.05	1.10	±.5	±.6	40	35	6	27
41S	2.6-3.95	WR284	1.05	1.10	±.5	±.6	40	31	6	24
41SC	3.3-4.9	WR229	1.05	1.10	±.5	±.6	40	28	5	21
41C	3.95-5.85	WR187	1.05	1.10	±.5	±.6	40	25	4	19
41CA	4.9-7.05	WR159	1.05	1.10	±.5	±.6	40	23	3	17.5
41A	5.85-8.2	WR137	1.05	1.10	±.5	±.6	40	20	3	15.5
41XL	7.05-10	WR112	1.05	1.10	±.5	±.6	40	18	2.5	14
41X	8.2-12.4	WR90	1.05	1.10	±.5	±.6	40	17	2	13.5
41XK	10-15	WR75	1.05	1.10	±.5	±.6	40	15	1.5	12
41KU	12.4-18	WR62	1.05	1.10	±.5	±.6	40	13	1.25	10.5
41K	18-26.5	WR42	1.10	1.15	±.75	±.75	35	11	1.25	8.5
41KA	26.5-40	WR28	1.10	1.15	±.75	±.75	35	10	1	8

## Ordering Code

NOTES: 1 - available in aluminum only  
2 - VSWR slightly higher for 3.6dB  
3 - based on term. of 1.01 VSWR

MODEL	FLANGE	MAT'L	FINISH	COUPLING
FROM ABOVE	1 - CPRF 2 - CPRG 3 - COVER 4 - CHOKE 5 - SPECIAL	A - ALUM B - BRASS C - COPPER D - SPECIAL	1 - IRIDITE 2 - SILVER 3 - SPECIAL	3 - 3dB 6 - 6dB 10 - 10dB 20 - 20dB 30 - 30dB 40 - 40dB

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**I T C**