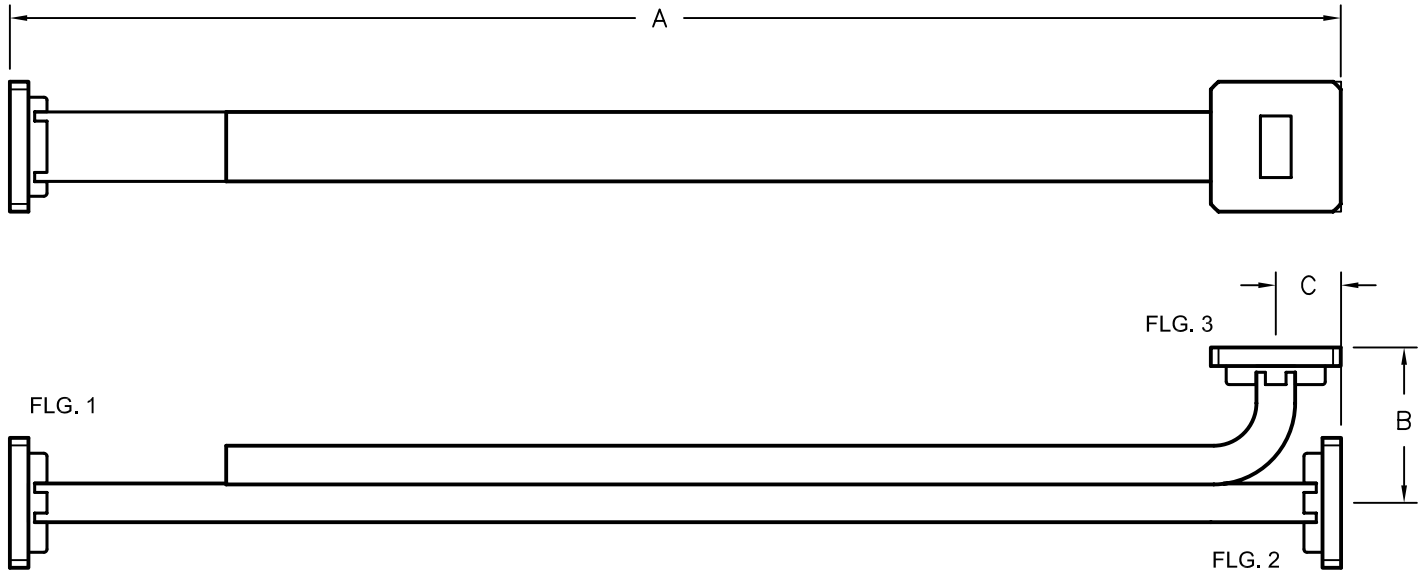


REV.	DATE	INITIAL RELEASE
A	5/23/01	
B	5/21/02	DWG NO. WAS: 4202, IS: 4402.
C	11/20/02	IN TABLE: WR90 DIM C 1.50 WAS .81 PER ECN 11-11-02-01
D	7/23/03	IN TABLE DIM C: WR229 1.84 WAS 1.00; WR159 1.56 WAS 0.88; WR112 1.56 WAS 0.94 (PER ECN 07-23-03-01)
E	09/14/05	REVISED TABLE: WR284 DIM B WAS: 9.18, IS: 6.00
F	12/06/05	Ⓜ WAS: 1.94, CHANGED AS PER ECN# 12-06-05-01
G	02/01/11	Ⓜ ADDED PRESSURE TEST OPTION (/PT)
H	02/01/11	CORRECTED TYPO, 10psi, WAS 10 dB



MODEL NO.= WG SIZE-304-MATERIAL (A/B)*-COUPLING (dB)-FLG. 1-FLG. 2-FLG. 3/OPTION**

EXAMPLE: 90-304-30-6-6-6/PT

*A=ALUMINUM

B=BRASS

**10psi PRESSURE TEST= /PT Ⓜ

PERFORMANCE SPECIFICATIONS

VSWR (MAX) PRIMARY: 1.05 MAX.
(1.10 FOR WR42, WR28)

SECONDARY: 1.15 MAX.
(1.15 FOR WR42, WR28)

NOMINAL COUPLING (dB): ±.50
(±.75 FOR WR42, WR28)

FREQ. SENSITIVITY (dB): ±.60
(±.75 FOR WR42, WR28)

DIRECTIVITY (dB): 40 TYPICAL, 30 MIN.

BASIC MODEL NO.	FREQUENCY (GHz)	DIM. A	DIM. B	DIM. C
650-304	1.12-1.70			
430-304	1.70-2.60			
284-304	2.60-3.95	50.25	6.00	2.66
229-304	3.30-4.90	42.00	6.81	1.84
187-304	3.95-5.85	34.62	6.44	1.81
159-304	4.90-7.05	32.50	5.25	1.56
137-304	5.95-8.20	26.50	3.06	1.56
112-304	7.05-10.0	18.62	3.06	1.56
90-304	8.20-12.4	16.68	2.50 Ⓜ	1.50
75-304	10.0-15.0	15.00	2.50	1.25
62-304	12.4-18.0	13.75	2.18	0.66
51-304	15.0-22.0	11.50	1.25	0.66
42-304	18.0-26.5	9.50	1.25	0.75
34-304	22.0-33.0	9.00	1.25	0.75
28-304	26.5-40.0	8.00	1.12	0.75

FLANGE TYPES	
1	= CPRG
2	= CPRF
3	= CMR STANDARD
4	= CMR CLEAR
5	= CMR TAP
6	= UG COVER
7	= UG CHOKE
8	= SPEC
9	= PDR
10	= UDR

MATERIAL PER ORDER	TREATMENT -	DRAWN R. LYNCH	DATE 6/30/01
FINISH -	MOD NO. XX-304-XX-X-X-X	CHECKED	DATE
<p>TABULATED OUTLINE, BROADWALL COUPLER, 3 PORT</p>		APPROVED	DATE
		<p>ADVANCED TECHNICAL MATERIALS, INC. 49 RIDER AVE., PATCHOGUE N.Y. 11772 TEL: (631) 289-0386 FAX: (631) 289-0358 http://www.atmmicrowave.com</p>	
<p>UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES TOLERANCES ARE:</p>		FRACTIONS ±1/64	DECIMALS ±.01 ±.005
<p>PROPRIETARY NOTICE: THE INFORMATION IN THIS DRAWING IS PROPRIETARY AND SHALL NOT BE USED OR DISCLOSED WITHOUT THE PRIOR WRITTEN CONSENT OF ATM, INC.</p>		ANGLES ±1/2°	SHEET 1/1
		SCALE 1 : 2	DWG. NO. 4402
			REV. H