

Page 20	TE ₁₀ FREQUENCY IN GHz	18.0 26.5	26.5 40.0	33.0 50.0	40.0 60.0	50.0 75.0	60.0 90.0	75.0 110.0	90.0 140.0	110.0 170.0	140.0 220.0	170.0 260.0	220.0 325.0
AEROWAVE FLANGE INTERFACE		42-0101	28-0101	22-0110	19-0110	15-0120	12-0120	10-0120	08-0130	06-0130	05-0130	04-0130	03-0130
EIA WAVEGUIDE WR- (##)		42	28	22	19	15	12	10	08	06	05	04	03
DIRECTIONAL COUPLER MONITORING AND SAMPLING		TYPICAL VSWR VALUES -- MAINLINE 1.10:1 COUPLING ARM 1.20:1											
INSERTION LENGTH (INCHES)		8.00	6.00	5.50	5.00	4.75	4.25	4.00	3.50	3.25	3.00	2.75	2.75
STANDARD DIRECTIONAL COUPLER DIRECTIVITY > 30 dB		SPECIFY COUPLING VALUE - - - - / (dB) 10, 20, 30, 40											
(##)-3000 / (dB) \$		850	750	800	875	750	850	950	1100	1350	1650	2500	3500
FULL BW COUPLING VARIANCE ±(dB)		0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	1.0	1.0
(##)-3020 / (dB) \$		950	850	900	1000	900	1000	1100	1350	1600	1900	3050	4250
FULL BW COUPLING VARIANCE ±(dB)		0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	1.0	1.0
(##)-3040 / (dB) \$		1050	950	1000	1100	1125	1200	1300	1600	1850	2150	3550	4850
FULL BW COUPLING VARIANCE ±(dB)		0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	1.0	1.0
(##)-3080 / (dB) \$		1050	950	1000	1100	1125	1200	1300	1600	1850	2150	3550	4850
FULL BW COUPLING VARIANCE ±(dB)		0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	1.0	1.0
DUAL ARM COUPLERS DIRECTIVITY > 25 dB		SPECIFY COUPLING VALUE - - - - / (dB) / (dB) 10, 20, 30, 40											
(##)-3200 / (dB) \$		1700	1500	1600	1700	1650	1800	2050	2450	3050	3650	Q	Q
FULL BW COUPLING VARIANCE ±(dB)		0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	1.0	1.0
(##)-3220 / (dB) \$		1800	1600	1700	1800	1750	1900	2150	2650	3250	3850	Q	Q
FULL BW COUPLING VARIANCE ±(dB)		0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	1.0	1.0
(##)-3240 / (dB) \$		2000	1800	1900	2000	1950	2100	2350	2850	3450	4150	Q	Q
FULL BW COUPLING VARIANCE ±(dB)		0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	1.0	1.0
<p>FIG. # 00 FIG. # 02 FIG. # 04 FIG. # 08 FIG. # 20 FIG. # 22 FIG. # 24</p>													
<p>E-PLANE COUPLING ARMS YIELD LOWER VSWR AND HIGHER DIRECTIVITY THAN H-PLANE STRUCTURES. DIRECTIVITY MEASUREMENTS ACHIEVED BY INTERNALLY PHASE TERMINATING THE OUTPUT PORTS.</p>													