



**FEATURES:**

- \* EXCELLENT DIRECTIVITY
- \* HIGH POWER HANDLING
- \* LOW INSERTION LOSS
- \* 5 POINT CALIBRATION STICKER SUPPLIED

**SPECIFICATIONS:**

COUPLING 20,30,40 OR 50 DB STANDARD  
 OTHER VALUES AVAILABLE.  
 COUPLING ACCURACY +/- 1.0 DB  
 COUPLING FLATNESS 0.25 DB MAX.  
 DIRECTIVITY 25 DB MIN.  
 INSERTION LOSS < 0.05 DB  
 FLANGES PER TABLE  
 PRESSURE 5 PSIG.  
 TOLERANCE ± 0.020 INCHES

PART NUMBER  
 EXAMPLE

2135- 50 F N

CONNECTOR

F- FORWARD OR R - REVERSE

COUPLING VALUE

WAVEGUIDE TYPE

CONNECTORS

N = TYPE N FEMALE

S = SMA FEMALE

X = SPECIAL

K = K Connector (2.92 MM)

**DIM. IN INCHES**

WR	FREQ (GHz)	P/N	FLANGE	A	B	C	D
WR 28	28.4 TO 30.0	2706-XXX <sup>1</sup>	COVER	1.00	2.00	1.00	2.00
WR 42	18.5 TO 20.2	2710-XXX <sup>1</sup>	COVER	1.00	3.00	1.50	3.00
WR 62	17.4 TO 18.1	2512-XXX	COVER	1.56	1.75	1.50	3.00
WR 75	10 TO 13	2831-XXX	COVER	1.59	2.40	1.50	3.00
WR 75	13.75 TO 14.5	2135-XXX	COVER	1.59	1.74	1.50	3.00
WR 90	8.2 TO 12.4	2665-XXX	COVER	1.41	2.01	1.75	3.50
WR 112	7.25-7.75	2835-XXX	COVER	1.83	3.94	2.50	5.00
WR 112	7.9 TO 8.4	2100-XXX	COVER	1.83	3.36	2.50	5.00
WR 137	5.85 TO 6.425	2119-XXX	CPRG	2.24	3.32	3.00	6.00
WR 159	5.85 TO 6.425	2170-XXX	CPRG	1.89	3.10	2.00	4.00
WR 229	3.7 TO 4.2	2254-XXX	CPRG	2.23	4.42	3.00	6.00

NOTE : OTHER FREQUENCY BANDS, COUPLING VALUES AND WAVEGUIDE SIZES AVAILABLE.

1. AVAILABLE IN K (2.92 MM) ONLY

MICROWAVE COMPONENTS AND SYSTEMS  
 583 BERLIN ROAD MARLBORO MA

**CROSSGUIDE COUPLER**

		OUTLINE NO. <b>SEE TABLE</b>	REV <b>B</b>
FILE: COUPLERCG	DATE 12/20/99	SHEET: 1 OF 1	