

Waveguide



How to order

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When ordering a coupler the complete model number as listed in the table below must be specified. Example: if a 20-dB coupler that operates in the frequency range of 12.4 GHz to 18 GHz is desired, the model number P752D must be ordered.

ordered.

P **752** **D**

Series

Frequency Band Code

Nominal Coupling¹ Code

Code	Frequency Band	Code	Frequency Band
J	5.85 - 8.2 GHz	P	12.4 - 18 GHz
H	7.05 - 10 GHz	K	18 - 26.5 GHz
X	8.2 - 12.4 GHz	R	26.5 - 40 GHz

Code	Nominal Coupling
A	3 dB
C	10 dB
D	20 dB

752 Series Specifications													Price
Model	Frequency Range (GHz)	Nominal Coupling (dB)	Mean Coupling Accuracy (dB)	Maximum Coupling Variation (dB)	Minimum Directivity (dB)	SWR Primary Line Maximum	SWR Auxiliary Arm Maximum	Equivalent Flange	Maximum Primary Line Power (Watts)	Waveguide Size Nom. O.D. mm (in.) EIA	Length mm (in.)	Shipping Weight kg (lb)	
J752A ²	5.85 - 8.2	3	±0.4	±0.5	40	1.1	1.15	UG-441/U	2	38.10 x 19.05 (1.50 x 0.75) WR137	673 (26½)	5.8 (13)	\$760
J752C ²	5.85 - 8.2	10	±0.4	±0.5	40	1.05	1.15	UG-441/U	10		649 (25¾)	5.8 (13)	\$760
J752D ²	5.85 - 8.2	20	±0.4	±0.5	40	1.05	1.15	UG-441/U	100		649 (25¾)	5.8 (13)	\$760
H752A	7.05 - 10.0	3	±0.4	±0.5	40	1.1	1.15	UG-138/U	2	31.75 x 15.88 (1.25 x 0.625) WR112	473 (18¾)	1.8 (4)	\$520
H752C	7.05 - 10.0	10	±0.4	±0.5	40	1.05	1.15	UG-138/U	10		445 (17½)	1.8 (4)	\$520
H752D	7.05 - 10.0	20	±0.4	±0.5	40	1.05	1.15	UG-138/U	100		445 (17½)	1.8 (4)	\$520
X752A	8.2 - 12.4	3	±0.4	±0.5	40	1.1	1.15	UG-135/U	2	25.40 x 12.70 (1.00 x 0.50) WR90	424 (16⅞)	1.4 (3)	\$390
X752C	8.2 - 12.4	10	±0.4	±0.5	40	1.05	1.15	UG-135/U	10		399 (15⅞)	1.4 (3)	\$390
X752D	8.2 - 12.4	20	±0.4	±0.5	40	1.05	1.15	UG-135/U	100		399 (15⅞)	1.4 (3)	\$390
P752A	12.4 - 18.0	3	±0.4	±0.5	40	1.1	1.2	UG-419/U	2	17.83 x 9.93 (0.702 x 0.391) WR62	349 (13¾)	0.9 (2)	\$350
P752C	12.4 - 18.0	10	±0.4	±0.5	40	1.05	1.2	UG-419/U	10		311 (12¼)	0.9 (2)	\$350
P752D	12.4 - 18.0	20	±0.4	±0.5	40	1.05	1.2	UG-419/U	100		311 (12¼)	0.9 (2)	\$350
K752A	18.0 - 26.5	3	±0.7	±0.5	40	1.1	1.2	UG-595/U	1	12.70 x 6.35 (0.50 x 0.25) WR42	270 (10¾)	0.45 (1)	\$470
K752C	18.0 - 26.5	10	±0.7	±0.5	40	1.05	1.2	UG-595/U	5		252 (9⅞)	0.45 (1)	\$470
K752D	18.0 - 26.5	20	±0.7	±0.5	40	1.05	1.2	UG-595/U	50		252 (9⅞)	0.45 (1)	\$470
R752A	26.5 - 40.0	3	±0.7	±0.5	40	1.1	1.2	UG-599/U	1	9.14 x 5.59 (0.36 x 0.22) WR28	295 (11½)	0.45 (1)	\$600
R752C	26.5 - 40.0	10	±0.7	±0.5	40	1.05	1.2	UG-599/U	5		219 (8¾)	0.45 (1)	\$500
R752D	26.5 - 40.0	20	±0.7	±0.6	40	1.05	1.2	UG-599/U	50		222 (8¾)	0.45 (1)	\$500
													\$110

Circular flange adapters available: For K-Band, specify 11515A (UG-425/U)
For R-Band, specify 11516A (UG-381/U)

¹ Nominal Coupling, Coupling Factor, and Coupling Attenuation are terms that describe the same parameter.