

C1201 High Power Seamless Flexible Waveguide

Flexible waveguides are used to isolate vibration and help with tolerance build-ups on long complex transmission line installations.

Canteq offers a full line of corrugated seamless flexible waveguide. The advantage of the High Power seamless flex is that is 100 % RF leakage free and does not require a jacket to be pressurized. Thus, this flex is supplied with a high power black paint and it can be silver plated if required. As they can be used in High Power applications Canteq uses silver solder to braze the core to the flanges.



RECTANGULAR SEAMLESS FLEXGUIDE SPECIFICATIONS

Model No	W/G	Freq. Range	VSWR 12" piece	STATIC			DYNAMIC			Press. PSIG	Power CW (KW)
				E Plane Radius	H Plane Radius	Extension & Compression	E Plane Radius	H Plane Radius	Extension & Compression		
C1201-1	284	2.60-3.95	1.08	2.75	5.00	.010	8.00	16.00	.002	30	33.8
C1201-3	187	3.95-5.85	1.08	2.25	4.00	.015	7.00	14.00	.003	30	13.5
C1201-4	159	4.90-7.05	1.08	2.00	3.00	.015	6.00	12.00	.003	30	11.2
C1201-5	137	5.85-8.20	1.08	1.75	2.50	.020	5.00	10.00	.004	30	7.5
C1201-6	112	7.05-10.00	1.10	1.50	2.00	.020	4.50	9.00	.004	45	4.5
C1201-7	90	8.20-12.40	1.10	1.12	1.75	.025	4.00	8.00	.005	45	2.2
C1201-8	75	10.00-15.00	1.10	0.87	1.50	.030	3.50	7.00	.006	60	2.1
C1201-9	62	12.40-18.00	1.15	0.75	1.50	.040	3.00	6.00	.008	60	1.3
C1201-11	42	18.00-26.50	1.22	0.62	1.25	.050	2.50	5.00	.010	60	0.6
C1201-12	28	26.50-40.00	1.25	0.50	1.00	.060	2.00	4.00	.012	60	0.4
C1201-13	22	33.00-50.00	1.30	0.50	1.00	.060	2.00	4.00	.012	60	0.3

How to order the right part:

Specify the model number according to the required frequency and waveguide size. Specify length in inches. Select the flange type from the Flange Code (see section 01-1 page 1) and flange finish from code below.

F L A N G E S H	Code	Flange Finish Code
	C	Cadmium Plated
S	Silver Plated	
T	Tin Plated	
U	Unplated (irridited and polished)	

Example

Canteq Model No
C1201-5-12-2-2-U is:

Model No	Length	Flanges	Flange finish
C1201-5	12	2-2	U

a WR137 seamless flex with a requency of 5.85 to 8.20 GHz
 12 inches long
 C P R F flanges at bothends.
 Unplated