

Standard Coax Circulators

The circulator part numbers listed below all have FFF configuration (female – female – female) with clockwise rotation. The other standard configurations (FFM, FMF, MFF, MMF, MFM, FMM, and MMM) and counter-clockwise rotation are available for any of these part numbers. When ordering the other standard configurations, simply add the appropriate configuration behind the FFF part number listed in the table. For example, the MMF version of 094-037054-002 would be requested with 094-037054-002 N MMF. Counter-clockwise rotation would be obtained by adding CCW at the end. In addition, many designs are available in non-standard configurations with mixed SMA and N-Type connectors.

Frequency Range (GHz)	Insertion Loss (Max) (-dB)	VSWR (Max)	* Operating Temperature °C	Dimensions (in x in x in)	Part Number	** Connector Configuration		Outline Drawing	Notes
0.750 - 0.960	0.40	1.20	-10 to +65	1.68 x 2.05 x 1.27	094-037054-002	N	FFF	C06	
0.750 - 0.960	0.40	1.20	-10 to +65	1.25 x 1.25 x 0.87	094-037055-003	S	FFF	C07	
0.800 - 0.900	0.40	1.15	-10 to +65	1.25 x 1.25 x 0.87	094-037065-001	S	FFF	C07	
0.850 - 0.960	0.40	1.25	-20 to +65	1.68 x 2.05 x 1.27	994-037054-006	N	FFF	C06	
0.850 - 0.960	0.40	1.20	0 to +50	1.25 x 1.25 x 0.87	995-850960-501	S	FFF	C07	
0.850 - 1.100	0.40	1.20	0 to +50	1.25 x 1.25 x 0.87	995-850110-501	S	FFF	C07	
0.902 - 0.928	0.35	1.20	-20 to +65	1.25 x 1.25 x 0.87	995-902928-501	S	FFF	C07	
0.950 - 1.225	0.40	1.25	-20 to +60	1.25 x 1.25 x 0.55	094-037071-002	S	FFF	C08	
0.960 - 1.220	0.40	1.20	0 to +60	1.25 x 1.25 x 0.55	994-037526-003	S	FFF	C08	
1.020 - 1.100	0.40	1.20	0 to +60	1.25 x 1.25 x 0.55	994-037526-002	S	FFF	C08	
1.200 - 1.500	0.40	1.20	-20 to +65	1.25 x 1.25 x 0.87	994-037075-005	S	FFF	C09	
1.500 - 2.000	0.40	1.25	-10 to +85	1.56 x 1.94 x 1.00	995-150200-601	S	FFF	C11	3
1.700 - 2.000	0.40	1.20	-20 to +60	1.00 x 1.00 x 0.50	094-037086-001	S	FFF	C10	
1.700 - 2.100	0.30	1.15	-20 to +65	1.56 x 1.94 x 1.00	094-037092-001	S	FFF	C11	3
1.700 - 2.100	0.30	1.15	-20 to +65	1.56 x 1.94 x 1.00	094-037096-004	N	FFF	C11	
1.700 - 2.300	0.40	1.30	-20 to +65	1.56 x 1.94 x 1.00	094-037095-001	S	FFF	C11	
1.700 - 2.300	0.40	1.30	-20 to +65	1.56 x 1.94 x 1.00	994-037097-002	N	FFF	C11	3
1.800 - 2.100	0.40	1.15	-20 to +60	1.00 x 1.00 x 0.50	094-037100-001	S	FFF	C10	
1.800 - 2.800	0.40	1.30	-20 to +65	1.63 x 1.63 x 0.76	995-180280-701	S	FFF	C13	
1.900 - 2.300	0.30	1.15	-20 to +65	1.56 x 1.94 x 1.00	994-037596-007	S	FFF	C11	
1.900 - 2.300	0.30	1.15	-20 to +65	1.56 x 1.94 x 1.00	994-037717-002	N	FFF	C11	3
1.900 - 2.350	0.35	1.22	0 to +60	1.63 x 1.63 x 0.76	994-037107-007	S	FFF	C13	
1.900 - 2.500	0.40	1.25	-20 to +65	1.63 x 1.63 x 0.76	094-037107-002	S	FFF	C13	1
2.000 - 2.300	0.40	1.20	-20 to +60	1.00 x 1.00 x 0.50	994-037108-006	S	FFF	C10	2
2.000 - 2.500	0.40	1.30	-20 to +80	1.56 x 1.94 x 1.00	995-200250-601	N	FFF	C11	3
2.200 - 2.700	0.40	1.25	-20 to +65	1.56 x 1.94 x 1.00	994-037127-002	S	FFF	C11	
2.200 - 2.700	0.40	1.25	-20 to +65	1.56 x 1.94 x 1.00	094-037121-001	N	FFF	C11	3
2.400 - 2.700	0.40	1.25	-20 to +65	1.00 x 1.00 x 0.50	994-037133-006	S	FFF	C10	
3.400 - 4.200	0.40	1.20	-20 to +65	1.00 x 1.36 x 1.00	994-037146-007	N	FFF	C15	
3.400 - 4.200	0.40	1.25	-20 to +65	0.75 x 0.89 x 0.50	994-037139-004	S	FFF	C16	
3.600 - 4.200	0.30	1.15	-20 to +65	1.00 x 1.36 x 1.00	994-037763-003	N	FFF	C15	
3.600 - 4.200	0.20	1.10	-20 to +65	0.75 x 0.89 x 0.50	994-037162-006	S	FFF	C16	
3.700 - 6.500	0.40	1.25	-20 to +65	1.00 x 1.00 x 0.60	094-037164-002	S	FFF	C17	
4.400 - 5.100	0.20	1.10	-20 to +65	0.75 x 0.86 x 0.49	094-037806-005	S	FFF	C19	2

Frequency Range (GHz)	Insertion Loss (Max) (-dB)	VSWR (Max)	* Operating Temperature °C	Dimensions (in x in x in)	Part Number	** Connector Configuration		Outline Drawing	Notes
4.400 - 5.100	0.40	1.20	-20 to +65	0.75 x 0.86 x 0.49	094-037806-009	N	FFF	C19	
4.400 - 5.900	0.40	1.30	-40 to +70	1.00 x 1.00 x 0.60	994-037164-007	S	FFF	C17	
5.000 - 6.000	0.45	1.18	-20 to +65	1.00 x 1.00 x 0.60	995-500600-401	S	FFF	C17	
5.400 - 5.900	0.40	1.25	-20 to +65	0.50 x 0.67 x 0.50	094-037180-001	S	FFF	C20	5
5.700 - 5.900	0.20	1.13	-30 to +85	0.88 x 0.88 x 0.73	094-037189-015	S	FFF	C21	
5.900 - 7.100	0.30	1.22	-10 to +70	0.50 x 0.67 x 0.50	995-590710-001	S	FFF	C20	5
5.900 - 8.500	0.40	1.25	-20 to +65	0.87 x 0.87 x 0.74	094-037188-003	S	FFF	C21	
5.925 - 7.125	0.20	1.22	-30 to +55	1.00 x 1.10 x 0.50	995-592712-401	S	FFF	C36	
6.400 - 7.100	0.20	1.15	-10 to +70	1.00 x 1.10 x 0.50	995-640710-403	S	FFF	C36	
7.100 - 7.900	0.30	1.22	-10 to +70	0.50 x 0.67 x 0.50	995-710790-001	S	FFF	C20	5
7.100 - 8.500	0.20	1.15	-10 to +70	1.00 x 1.10 x 0.50	995-710850-423	S	FFF	C36	
7.900 - 8.400	0.30	1.20	-20 to +65	0.50 x 0.67 x 0.50	995-790840-001	S	FFF	C20	5
8.500 - 9.600	0.40	1.15	-20 to +65	0.87 x 0.87 x 0.74	094-037219-003	S	FFF	C21	
9.200 - 10.200	0.40	1.15	-20 to +65	0.62 x 0.69 x 0.69	094-037221-002	S	FFF	C24	1
10.700 - 13.300	0.40	1.20	-20 to +65	0.62 x 0.69 x 0.63	094-037272-004	S	FFF	C27	
12.300 - 13.600	0.50	1.25	-20 to +65	0.50 x 0.63 x 0.50	994-037503-015	S	FFF	C28	
12.600 - 13.300	0.30	1.15	-20 to +65	0.62 x 0.69 x 0.69	994-037305-002	S	FFF	C24	
13.000 - 16.000	0.40	1.25	-20 to +65	0.62 x 0.69 x 0.63	094-037306-004	S	FFF	C27	2
13.900 - 14.600	0.40	1.15	-20 to +65	0.62 x 0.69 x 0.63	994-037918-008	S	FFF	C27	
14.000 - 15.500	0.50	1.20	-30 to +70	0.50 x 0.67 x 0.50	995-140155-101	S	FFF	C20	2
14.400 - 14.500	0.30	1.08	-20 to +65	0.62 x 0.69 x 0.63	995-144145-101	S	FFF	C27	
15.000 - 18.000	0.50	1.25	-20 to +65	0.62 x 0.75 x 0.50	094-037461-001	S	FFF	C25	2
17.700 - 19.700	0.50	1.25	-20 to +65	0.50 x 0.67 x 0.50	994-037245-003	S	FFF	C20	

NOTES

- 1: No mounting holes
- 2: Removable connectors
- 3: CW power rating is 200 W
- 5: Dimension between mounting holes is 0.35 inches

* Case Temperature Not To Exceed Operating Temperature

** F = Female Connector M = Male Connector | S = SMA N = N-Type