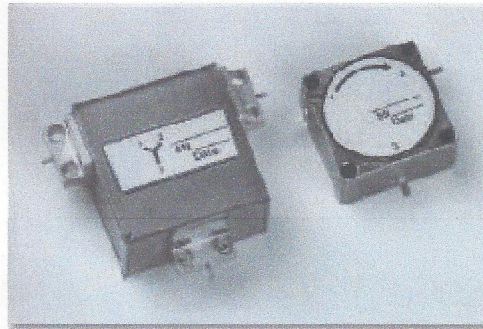




General Electronic Devices

Makers of active and passive components
 Quartz Crystal * Oscillators * Synthesizer * Filters
 Micro-Hybrid Assembly Services



2. Drop-in Circulators

Frequency range GHz	Model	Insertion loss dB	Isolation dB	VSWR	Oper. temp. °C	Average power W	Fig.
0.270 to 0.315	2CDS29-1	0.6	20	1.6	0 to +50	30	1
0.400 to 0.600	2CDS50-1	0.5	18	1.3	0 to +65	60	2
0.800 to 0.960	2CDS88-1	0.4	20	1.22	0 to +65	150	2
0.824 to 0.849	2CDS83-1	0.4	20	1.25	0 to +65	60	3
0.864 to 0.894	2CDS87-1	0.4	20	1.25	0 to +65	60	3
0.890 to 0.915	2CDS90-1	0.4	20	1.25	0 to +65	60	3
0.925 to 0.960	2CDS94-1	0.4	20	1.2	-10 to +85	50	2
0.925 to 0.960	2CDS94-3	0.2	23	1.15	0 to +65	100	4
0.935 to 0.960	2CDS94-2	0.5	20	1.25	0 to +65	60	3
0.960 to 1.215	3CDS10-1	0.5	19	1.25	-55 to +85	50	2
1.400 to 1.455	3CDS14-1	0.4	20	1.25	0 to +50	30	2
1.420 to 1.525	3CDS15-1	0.5	19	1.25	0 to +50	50	2
1.460 to 1.660	3CDS15-2	0.3	23	1.15	+5 to +55	100	4
1.805 to 1.880	3CDS18-1	0.2	23	1.15	-10 to +70	50	4
1.930 to 1.990	3CDS19-1	0.2	21	1.15	-10 to +70	50	4

Devices operate within full bandwidth, except "1" - bandwidth 10 MHz.

Outlines (all dimensions are in millimeters)

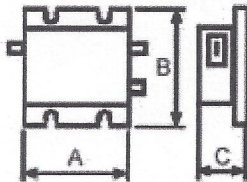


Fig. 1

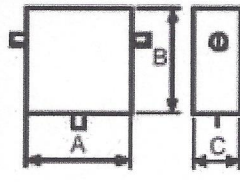


Fig. 2

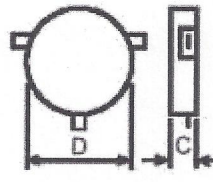


Fig. 3

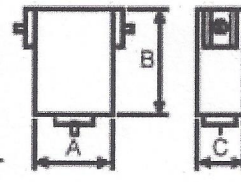


Fig. 4

Model	A	B	C	D	Fig.
2CDS29-1	60	60	23		1
2CDS50-1	35	35	8.3		2
2CDS88-1	34.3	34.3	12.7		2
2CDS83-1			7.2	24.1	3
2CDS87-1			7.2	24.1	3
2CDS90-1			7.2	24.1	3
2CDS94-1	25.4	25.4	13		2
2CDS94-3	31	33.8	19		4
2CDS94-2			9	25	3
3CDS10-1	31.75	31.75	12.7		2
3CDS14-1	25.4	25.4	8.3		2
3CDS15-1	19	20	8.3		2
3CDS15-2	31	33.8	19		4
3CDS18-1	25.4	25.4	12.6		4
3CDS19-1	31	33.8	20.1		4