

BDCA-22-16

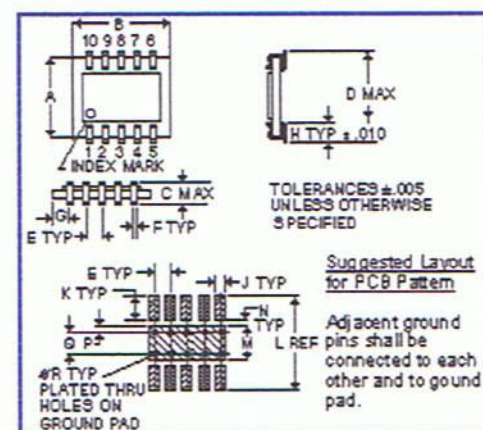
Frequency MHz	Coupling dB		Mainline Loss dB			Directivity dB			VSWR (:1)	Power INPUT, W	
	$f_L - f_U$	Nom. Flatness	L Typ. Max.	M Typ. Max.	U Typ. Max.	L Typ. Min.	M Typ. Min.	U Typ. Min.		Typ.	L Max.
800-1600	22.1±2.00	±1.6	0.40	0.70		23	12		1.15	35.0	35.0

L=low range(f_L to $10f_L$) M=mid range($10f_L$ to $f_U/2$) U=upper range($f_U/2$ to f_U)

Pin Connections

Port	Input	Output	Coupled (forward)	Coupled (reverse)
n1	1	6	10	5

Not Used Case GND Termination GND
= = = all others



Case Style - SM1L (inch, mm) weight: 0.3 grams.

A	B	C	D	E	F	G	H	J
.250	.300	.070	.320	.050	.015	.050	.060	.030
6.350	7.620	1.778	8.128	1.270	0.381	1.270	1.524	0.762
K	L	M	N	P	Q	R	S	T
.080	.330	.100	.020	.015	.070	.014		
2.032	8.382	2.540	0.508	0.381	1.778	0.356		

Tolerance: .x ± .1 .xx ± .03 .xxx ± .015 inch.

Material and Finish:

Open-style, ceramic base. Termination finish: solder plate over nickel.

Notes:

- When specification for only M range given, specification applies to entire frequency range.
- Power Input derate linearly to 15W at 100°C

FREQ (MHz)	I. Loss (dB) In-Out	Coupling (dB) In-CPL	Directivity (dB)	Return Loss (dB)		
				In	Out	CPL
800.00	0.34	23.59	20.74	26.64	25.66	18.90
820.00	0.34	23.47	20.50	26.49	25.51	18.80
840.00	0.33	23.32	20.54	26.28	25.30	18.67
860.00	0.32	23.17	20.59	26.07	25.13	18.53
880.00	0.34	23.06	20.16	25.85	24.95	18.39
900.00	0.37	22.95	20.17	25.63	24.77	18.26
920.00	0.37	22.82	20.01	25.40	24.58	18.11
940.00	0.34	22.68	19.90	25.18	24.44	17.98
960.00	0.34	22.56	19.73	24.98	24.33	17.86
980.00	0.37	22.49	19.60	24.79	24.22	17.74
1000.00	0.40	22.41	19.50	24.60	24.08	17.63
1020.00	0.39	22.30	19.52	24.42	23.92	17.50
1040.00	0.37	22.19	19.12	24.23	23.77	17.40
1060.00	0.36	22.10	19.21	24.05	23.64	17.30
1080.00	0.39	22.04	18.99	23.89	23.54	17.23
1100.00	0.41	21.98	19.05	23.75	23.46	17.16
1120.00	0.41	21.91	18.86	23.61	23.38	17.08
1140.00	0.40	21.83	18.77	23.47	23.28	16.99
1160.00	0.40	21.76	18.59	23.33	23.16	16.91
1180.00	0.41	21.71	18.48	23.21	23.08	16.84
1200.00	0.41	21.66	18.29	23.10	23.06	16.79
1220.00	0.43	21.62	18.32	23.00	23.08	16.74
1240.00	0.43	21.57	18.33	22.89	23.09	16.69
1260.00	0.42	21.52	18.25	22.79	23.08	16.63
1280.00	0.42	21.48	18.12	22.72	23.07	16.59
1300.00	0.44	21.47	17.99	22.68	23.05	16.55
1320.00	0.46	21.46	17.78	22.64	23.03	16.52
1340.00	0.46	21.43	17.73	22.60	23.01	16.48
1360.00	0.44	21.38	17.69	22.57	23.06	16.45
1380.00	0.45	21.37	17.57	22.55	23.17	16.43
1400.00	0.48	21.38	17.59	22.56	23.29	16.42
1420.00	0.49	21.39	17.51	22.59	23.41	16.42
1440.00	0.47	21.35	17.38	22.62	23.51	16.42
1460.00	0.45	21.33	17.28	22.66	23.65	16.43
1480.00	0.46	21.35	17.36	22.72	23.79	16.43
1500.00	0.48	21.37	17.21	22.85	24.01	16.46
1530.00	0.49	21.38	17.04	22.92	24.10	16.47
1550.00	0.50	21.42	17.10	23.13	24.41	16.51
1580.00	0.50	21.43	17.11	23.21	24.52	16.53
1600.00	0.51	21.47	17.09	23.35	24.73	16.56