

Power Splitter/Combiner

4 Way-0° 50Ω 1800 to 2600 MHz



SBD-4-25

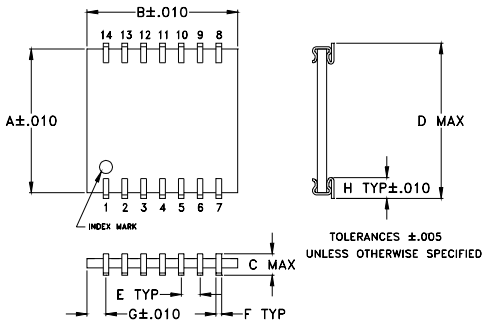
Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.375W max.

Pin Configuration

SUM PORT	4
PORT 1	8
PORT 2	10
PORT 3	12
PORT 4	14
GROUND	2,3,5,6,9,13
NOT USED	1,7,11

Outline Drawing



Outline Dimensions (inch/mm)

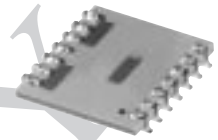
A	B	C	D	E	F
.380	.400	.067	.420	.050	.015
9.65	10.16	1.70	10.67	1.27	.38
G	H	wt.			
.050	.060	grams			
1.27	1.52	.3			

Features

- wideband, 1800-2600 MHz
- high isolation, 20 dB typ.
- good input port matching VSWR, 1.26 typ.
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- high power handling

Applications

- PCS
- ISM
- WLAN
- VMTS



CASE STYLE: SM34
PRICE: \$11.95 ea.
QTY.: (10-49)

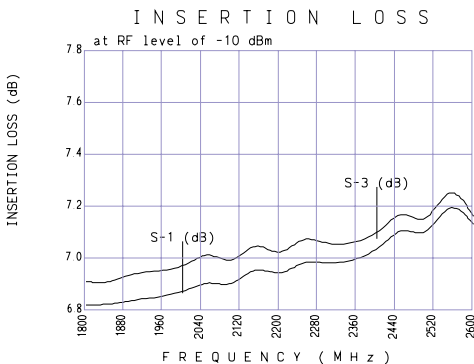
Electrical Specifications

MODEL NO.	FREQ. RANGE (MHz) f_1 - f_2	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 6 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	
		Typ.	Min.	Typ.	Max.	Max.	Typ.	Max.
SBD-4-25	1800-2000	20	12	1.0	1.9	8	0.2	0.7
	1800-2000	18	12	0.9	1.4	6	0.15	0.4
	2100-2200	21	15	0.9	1.4	6	0.15	0.4
	2200-2400	22	15	1.0	1.6	7	0.15	0.6
	2400-2500	22	16	1.0	1.8	7	0.25	0.7

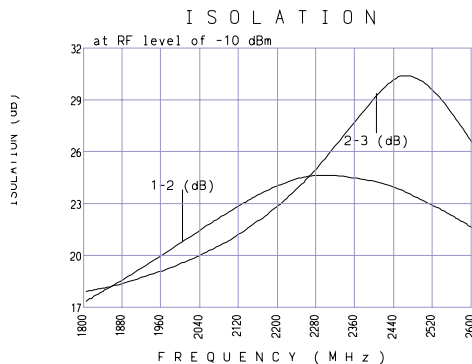
Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)				AMP. UNBAL. (dB)	ISOLATION (dB)			PHASE UNBAL. (Deg.)	VSWR S	VSWR 1	VSWR 2	VSWR 3	VSWR 4
	S-1	S-2	S-3	S-4		1-2	2-3	3-4						
1800	6.83	6.80	6.92	6.82	0.13	17.65	18.21	17.86	2.17	1.35	1.20	1.10	1.13	1.20
1850	6.83	6.80	6.91	6.84	0.12	18.45	18.48	18.58	2.43	1.35	1.21	1.11	1.15	1.21
1900	6.85	6.83	6.96	6.86	0.13	19.29	18.86	19.40	2.26	1.35	1.23	1.12	1.16	1.22
2000	6.87	6.83	6.96	6.86	0.13	21.08	19.81	20.98	2.35	1.32	1.25	1.14	1.19	1.23
2050	6.93	6.89	7.05	6.96	0.16	22.04	20.51	21.82	2.09	1.30	1.26	1.15	1.20	1.24
2100	6.89	6.83	6.97	6.88	0.14	22.87	21.19	22.42	2.52	1.29	1.28	1.15	1.21	1.24
2150	6.99	6.92	7.09	7.02	0.17	23.76	22.17	23.15	2.09	1.27	1.28	1.16	1.22	1.25
2200	6.93	6.87	7.00	6.92	0.13	24.39	23.19	23.45	2.58	1.26	1.29	1.17	1.23	1.25
2250	7.01	6.94	7.11	7.03	0.17	24.89	24.52	23.75	2.19	1.25	1.29	1.17	1.24	1.25
2300	6.98	6.90	7.05	6.99	0.15	25.03	26.03	23.63	2.49	1.25	1.29	1.18	1.24	1.25
2400	7.02	6.93	7.08	7.07	0.15	24.61	29.63	22.99	2.67	1.28	1.29	1.19	1.25	1.24
2450	7.15	7.04	7.22	7.15	0.18	24.16	30.97	22.58	2.43	1.31	1.30	1.19	1.24	1.23
2500	7.07	6.96	7.11	7.13	0.17	23.40	30.43	21.81	2.90	1.35	1.29	1.20	1.24	1.23
2550	7.25	7.12	7.32	7.28	0.20	22.75	28.84	21.33	2.43	1.38	1.29	1.20	1.23	1.21
2600	7.14	7.02	7.17	7.20	0.18	21.87	26.73	20.46	3.20	1.43	1.28	1.21	1.23	1.21

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