

Type: XXX-4SMA1COM



Coaxial

Power Splitter/Combiner

4 Way-0° 50Ω 2000 to 6000 MHz

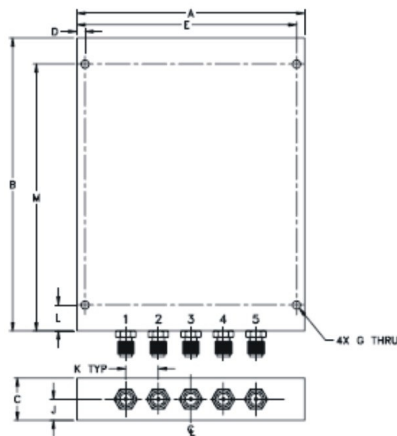
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	1W max.

Coaxial Connections

SUM PORT	3
PORT 1	1
PORT 2	2
PORT 3	4
PORT 4	5

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G
3.50	4.50	.65	.125	3.375	—	.125
89.90	114.30	16.51	3.18	85.73	—	3.18
H	J	K	L	M	wt	
—	.33	.50	.400	4.100	grams	
—	8.38	12.70	10.16	104.14	288	

Features

- wide frequency band, 2000 to 6000 MHz
- low insertion loss, 0.7 dB typ.
- low amplitude unbalance 0.1 dB typ.
- low phase unbalance 1.0 deg. typ.

Applications

- high band PCS
- UNII
- ISM 802.11A

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

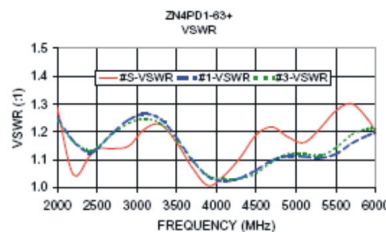
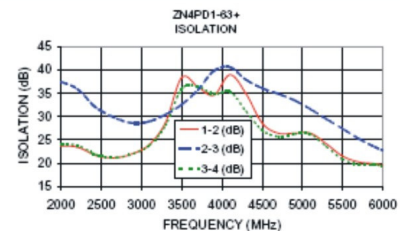
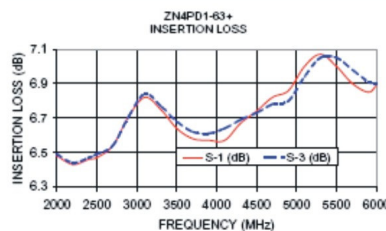
The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 6.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)	
$f_c - f_u$	Typ.	Min.	Typ.	Max.	Max.	Max.	S Typ.	OUT Typ.
2000-6000	26	17	0.7	1.3	5	0.4	1.20	1.15

Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)				Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR				
	S-1	S-2	S-3	S-4		1-2	2-3	3-4		S	1	2	3	4
2000.00	6.48	6.48	6.49	6.45	0.03	23.63	37.44	23.98	0.64	1.29	1.25	1.25	1.24	1.25
2200.00	6.43	6.43	6.44	6.39	0.05	23.43	35.91	23.81	0.59	1.05	1.17	1.18	1.17	1.16
2400.00	6.46	6.46	6.47	6.42	0.05	21.86	32.38	22.07	0.66	1.11	1.12	1.14	1.13	1.12
2700.00	6.54	6.53	6.54	6.48	0.06	21.17	29.48	21.21	0.71	1.14	1.20	1.21	1.19	1.18
2900.00	6.71	6.70	6.71	6.65	0.06	22.08	28.54	22.04	0.70	1.15	1.24	1.24	1.23	1.21
3300.00	6.75	6.75	6.77	6.68	0.08	28.77	30.43	28.16	1.10	1.23	1.25	1.23	1.23	1.20
3700.00	6.58	6.62	6.62	6.52	0.10	36.35	35.69	36.41	1.66	1.07	1.10	1.10	1.09	1.09
4100.00	6.57	6.62	6.64	6.52	0.12	38.92	40.56	35.34	1.54	1.04	1.02	1.01	1.03	1.04
4500.00	6.74	6.72	6.73	6.67	0.07	28.57	36.06	27.06	1.34	1.19	1.06	1.06	1.05	1.09
4900.00	6.86	6.80	6.80	6.78	0.09	26.41	33.47	26.23	1.71	1.18	1.11	1.13	1.12	1.12
5300.00	7.07	7.04	7.05	6.96	0.11	24.11	29.43	23.55	1.54	1.21	1.11	1.11	1.11	1.08
5500.00	7.00	7.05	7.05	6.88	0.17	21.50	27.37	20.85	1.58	1.28	1.12	1.12	1.14	1.09
5700.00	6.90	6.98	6.98	6.76	0.21	20.24	25.26	19.67	1.68	1.30	1.16	1.16	1.19	1.13
5900.00	6.85	6.91	6.91	6.72	0.19	19.87	23.47	19.64	1.36	1.25	1.19	1.17	1.21	1.18
6000.00	6.89	6.92	6.90	6.74	0.18	19.46	22.75	19.42	1.20	1.20	1.20	1.17	1.21	1.20



electrical schematic

