

Coaxial Power Splitter/Combiner

ZX10-4A-27+

4 Way-0° 50Ω

2225 to 2700 MHz



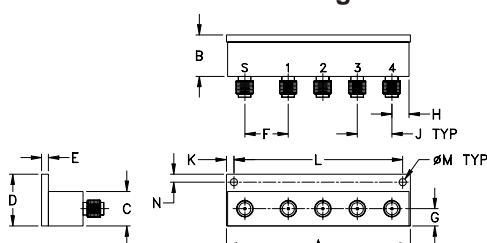
Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	2.5W max.
Internal Dissipation	0.125W max.
Permanent damage may occur if any of these limits are exceeded.	

Coaxial Connections

SUM PORT	S
PORT 1	1
PORT 2	2
PORT 3	3
PORT 4	4

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
2.67	.60	.50	.75	.10	.63	.25	.25
67.82	15.24	12.70	19.05	2.54	16.00	6.35	6.35
J	K	L	M	N	wt.		
.50	.11	2.445	.106	.12	grams		
12.70	2.79	62.10	2.69	3.05	65.0		

Features

- low insertion loss, 1.0 dB typ.
- high isolation, 20 dB typ.
- rigid unibody construction
- convenient for panel mount applications
- low cost
- protected by US patent 6,790,049
- very small size

Applications

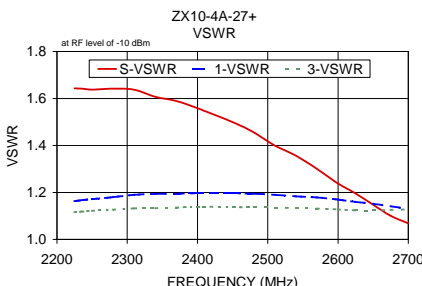
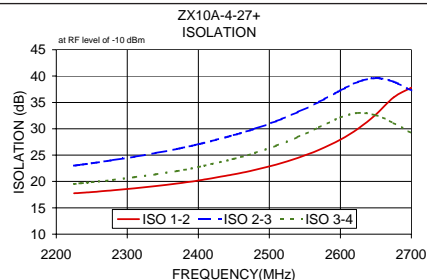
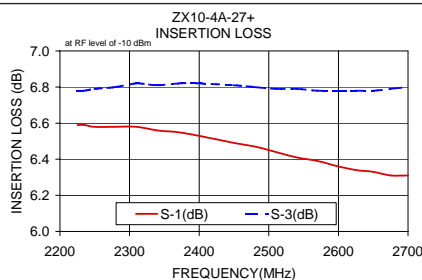
- antenna arrays
- signal distribution
- test bench

Electrical Specifications (T_{AMB}=25°C)

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 6 dB		PHASE UNBALANCE (Deg.)	AMPLITUDE UNBALANCE (dB)	INPUT VSWR (:1)	OUTPUT VSWR (:1)
	Typ.	Min.	Typ.	Max.	Max.	Max.	Typ.	Typ.
2225-2700	20	16	1.0	1.3	6.0	0.9	1.4	1.25
2400-2600	25	18	0.8	1.3	5.0	0.8	1.4	1.25

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						
2225.00	6.59	7.05	6.78	6.92	0.46	17.75	23.01	19.54	1.51	1.64	1.16	1.15	1.12	1.20
2235.00	6.59	7.04	6.78	6.92	0.46	17.85	23.19	19.67	1.52	1.64	1.17	1.15	1.12	1.20
2250.00	6.58	7.04	6.79	6.93	0.46	18.00	23.47	19.87	1.54	1.64	1.17	1.15	1.12	1.19
2280.00	6.58	7.05	6.80	6.96	0.46	18.33	24.05	20.30	1.60	1.64	1.18	1.17	1.13	1.22
2310.00	6.58	7.04	6.82	6.98	0.46	18.71	24.70	20.80	1.63	1.64	1.19	1.18	1.13	1.23
2340.00	6.56	7.02	6.81	6.98	0.46	19.14	25.40	21.35	1.65	1.61	1.19	1.18	1.13	1.21
2370.00	6.55	7.01	6.82	6.99	0.46	19.62	26.18	21.99	1.69	1.59	1.19	1.20	1.14	1.24
2400.00	6.53	6.99	6.82	7.00	0.47	20.18	27.07	22.75	1.73	1.56	1.20	1.19	1.14	1.24
2450.00	6.49	6.95	6.81	7.00	0.51	21.34	28.79	24.28	1.78	1.50	1.20	1.21	1.14	1.24
2480.00	6.47	6.91	6.80	7.01	0.54	22.20	30.03	25.43	1.82	1.46	1.19	1.21	1.14	1.26
2510.00	6.44	6.88	6.79	7.00	0.56	23.22	31.45	26.79	1.85	1.40	1.19	1.20	1.14	1.23
2540.00	6.41	6.85	6.79	7.01	0.59	24.46	33.15	28.44	1.89	1.36	1.18	1.22	1.13	1.24
2570.00	6.39	6.81	6.78	7.01	0.62	25.99	35.09	30.29	1.95	1.30	1.18	1.21	1.13	1.25
2600.00	6.36	6.78	6.78	7.01	0.65	27.93	37.27	32.13	2.01	1.24	1.17	1.20	1.13	1.22
2625.00	6.34	6.76	6.78	7.02	0.68	30.03	38.89	32.98	2.06	1.20	1.16	1.20	1.12	1.24
2650.00	6.33	6.73	6.78	7.04	0.71	32.71	39.61	32.56	2.12	1.15	1.15	1.19	1.12	1.26
2675.00	6.31	6.72	6.79	7.05	0.74	35.97	38.91	31.07	2.15	1.10	1.14	1.18	1.13	1.24
2700.00	6.31	6.70	6.80	7.07	0.77	37.81	37.28	29.20	2.17	1.07	1.13	1.19	1.13	1.25



electrical schematic



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 This Design Engineer's Sketch is a Preliminary Drawing. ACTUAL Data is derived from MINI-CIRCUITS AT: www.minicircuits.com

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