

Coaxial

Power Splitter/Combiner

ZN12PD-252+

12 Way-0° 50Ω 800 to 2450 MHz

Maximum Ratings

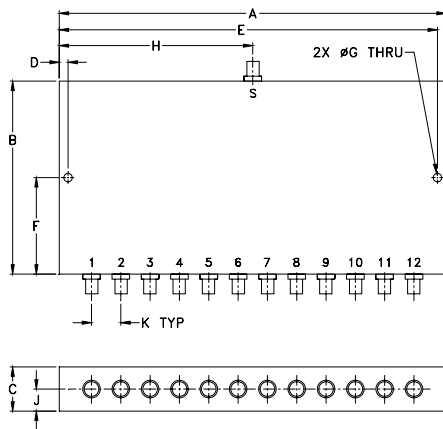
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	1.5W max.

Permanent damage may occur if any of these limits are exceeded.

Coaxial Connections

SUM PORT	S(COM)
PORT 1,2,3,.....,12	1,2,3,.....,12

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F
6.60	3.28	.75	.150	6.45	1.64
167.64	83.31	19.05	3.81	163.83	41.66
G	H	J	K	wt	
.144	3.30	.38	.500	grams	
3.66	83.82	9.65	12.70	370	

Features

- low insertion loss, 0.5 dB typ.
- high isolation, 23 dB typ.
- excellent VSWR, 1.2:1 typ.
- excellent amplitude unbalance, 0.3 dB typ.

Applications

- instrumentation
- PCS
- GSM
- cellular
- cellular
- WCDMA
- PDC
- radar



CASE STYLE: UU589

Connectors	Model	Price	Qty.
SMA	ZN12PD-252-S+	\$269.00	(1-9)

+ 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.

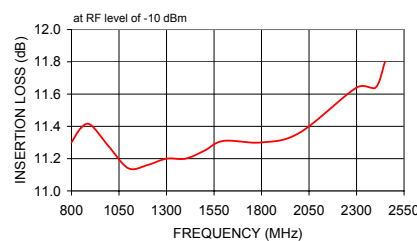
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 10.8 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)	
	Adjacent Typ.	Opposite Min.	Typ.	Max.			S Typ.	OUT Typ.
800-1000	16	33	0.45	1.0	5	0.5	1.6	1.2
1000-2450	23	30	0.6	1.4	8	0.7	1.2	1.1

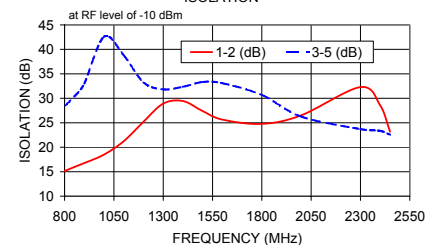
Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)	Amplitude Unbalance (dB)	Isolation (dB)		Phase Unbalance (deg.)	VSWR S	VSWR 12
			Adjacent	Opposite			
800.00	11.30	0.33	15.14	28.37	2.36	1.64	1.18
850.00	11.39	0.32	15.98	30.39	2.52	1.74	1.16
900.00	11.41	0.32	16.76	33.00	2.56	1.75	1.14
1000.00	11.27	0.32	18.49	42.57	2.96	1.54	1.10
1100.00	11.14	0.33	21.23	38.77	3.07	1.26	1.09
1200.00	11.16	0.33	25.22	33.25	3.15	1.26	1.10
1300.00	11.20	0.32	28.91	31.83	3.15	1.27	1.10
1400.00	11.20	0.28	29.44	32.36	3.31	1.12	1.09
1500.00	11.25	0.23	27.39	33.34	3.29	1.12	1.09
1600.00	11.31	0.20	25.65	33.09	3.54	1.24	1.09
1800.00	11.30	0.15	24.77	30.69	4.08	1.13	1.07
2000.00	11.36	0.17	26.54	26.26	4.96	1.07	1.03
2300.00	11.64	0.31	32.29	23.70	5.94	1.29	1.03
2400.00	11.64	0.27	28.56	23.35	6.19	1.23	1.10
2450.00	11.80	0.26	23.16	22.56	6.16	1.50	1.15

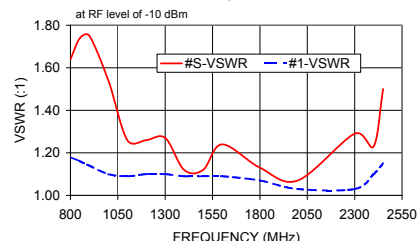
ZN12PD-252+ INSERTION LOSS



ZN12PD-252+ ISOLATION



ZN12PD-252+ VSWR



electrical schematic



For detailed performance specs & shopping online see web site

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IF/RF MICROWAVE COMPONENTS

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