Coaxial

Power Splitter/Combiner

ZN2PD-63+

2 Way-0° 50Ω 1800 to 6000 MHz

CASE STYLE: VVV180

Connectors	Model	Price	Qty.
SMA	ZN2PD-63-S+	$59.95 ea.	(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.

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	0.25W max.

Coaxial Connections

SUMPORT	S
PORT 1	1
PORT 2	2

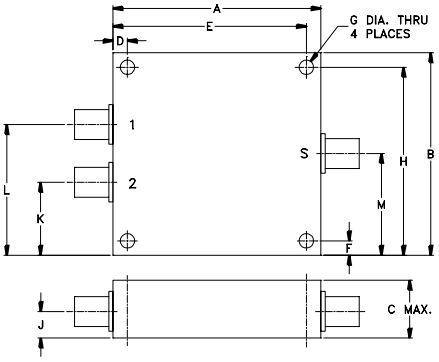
Features

- wide frequency band, 1800-6000 MHz
- high isolation, 19 dB min.
- very good VSWR, 1.22:1 typ.

Applications

- PCS
- WIMAX
- satellite up & down links
- line of sight links

Outline Drawing



Outline Dimensions (inch / mm)

A	B	C	D	E	F	G
1.80	1.75	.66	.125	1.675	.125	.125
45.72	44.45	16.76	3.18	42.55	3.18	3.18

H	J	K	L	M	wt
1.625	.31	.63	1.13	.88	grams
41.28	7.87	16.00	28.70	22.35	34

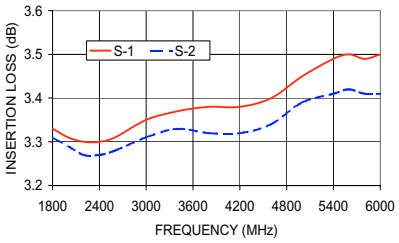
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 3.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
							S		OUT	
f_L-f_U	Typ.	Min.	Typ.	Max.	Max.	Max.	Typ.	Max.	Typ.	Max.
1800-6000	24	19	0.4	0.7	4	0.3	1.22	1.55	1.18	1.30

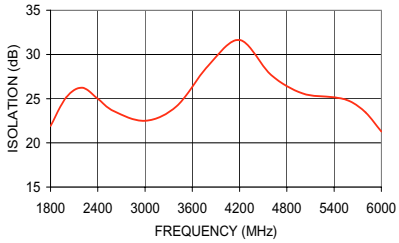
Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
1800.00	3.33	3.31	0.02	21.91	0.54	1.42	1.16	1.18
2000.00	3.31	3.29	0.02	25.15	0.61	1.32	1.16	1.17
2200.00	3.30	3.27	0.03	26.23	0.66	1.22	1.15	1.16
2400.00	3.30	3.27	0.03	25.00	0.72	1.12	1.13	1.14
2600.00	3.31	3.28	0.03	23.60	0.80	1.03	1.11	1.12
3000.00	3.35	3.31	0.04	22.50	0.96	1.12	1.12	1.13
3400.00	3.37	3.33	0.04	24.13	1.01	1.19	1.13	1.14
3800.00	3.38	3.32	0.05	28.69	1.11	1.17	1.12	1.12
4200.00	3.38	3.32	0.06	31.64	1.20	1.13	1.09	1.07
4600.00	3.40	3.34	0.06	27.68	1.27	1.14	1.07	1.07
5000.00	3.45	3.39	0.07	25.60	1.34	1.15	1.09	1.11
5400.00	3.49	3.41	0.08	25.15	1.45	1.10	1.11	1.12
5600.00	3.50	3.42	0.08	24.70	1.47	1.06	1.13	1.12
5800.00	3.49	3.41	0.08	23.45	1.54	1.03	1.12	1.12
6000.00	3.50	3.41	0.09	21.28	1.62	1.09	1.11	1.11

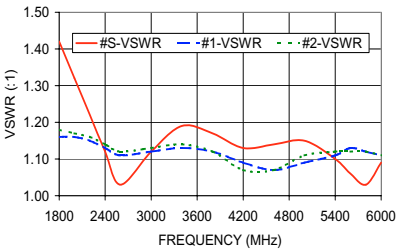
ZN2PD-63+
INSERTION LOSS



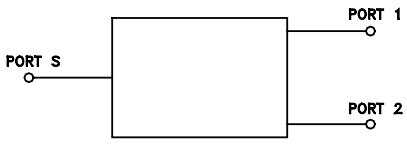
ZN2PD-63+
ISOLATION



ZN2PD-63+
VSWR



electrical schematic



REV. OR
M106537
ED-12512/1
ZN2PD-63+
HY/CP/AM
080610