

Coaxial

Power Splitter/Combiner

ZN2PD2-63+

2 Way-0° 50Ω 350 to 6000 MHz



CASE STYLE: VVV845

Maximum Ratings

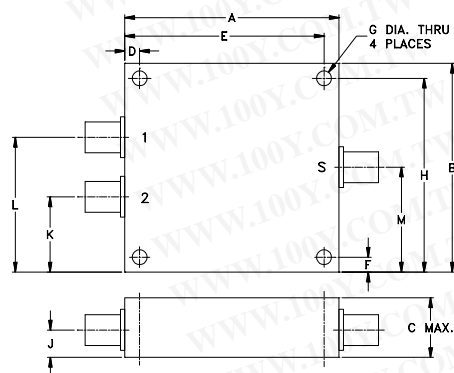
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	1W max.

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

Coaxial Connections

SUM PORT	S
PORT 1	1
PORT 2	2

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	
4.50	2.50	.67	.400	4.100	.125	.125	
114.30	63.50	17.02	10.16	104.14	3.18	3.18	
H	J	K	L	M		wt	
2.375	.33	.75	1.75	1.25		grams	
60.33	8.38	19.05	44.45	31.75		247	

Features

- wideband, 350 to 6000 MHz
- excellent amplitude unbalance, 0.1 dB typ
- excellent phase unbalance, 2 deg. typ.
- up to 10W power input as splitter

Applications

- UHF TV
- cellular/ISM/SMG/GSM
- satellite distribution
- GPS/L BAND (MARSAT)
- PCS/DCS/UMTS
- MMDCS
- SATCOM

Connectors

+ 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.

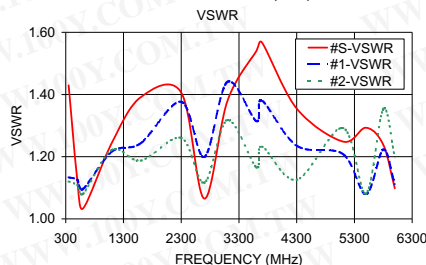
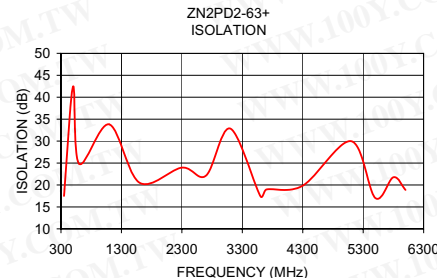
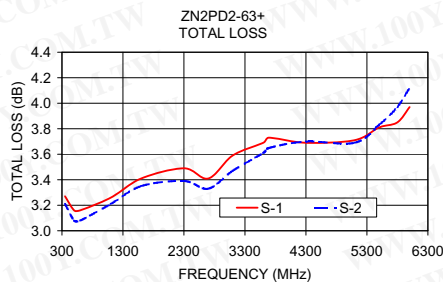
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 3.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
	Typ.	Min.	Typ.	Max.			S		OUT	
f_L - f_U					Max.	Max.	Typ.	Max.	Typ.	Max.
350-6000	25	15	0.6	1.6	4	0.5	1.3	—	1.2	—
600-1600	22	17	0.3	0.8	2	0.3	1.3	—	1.2	—
1600-2700	22	18	0.4	0.9	3	0.3	1.4	—	1.3	—
2700-3600	20	15	0.7	1.1	4	0.4	1.4	—	1.4	—
3600-5800	18	15	0.8	1.4	4	0.5	1.3	—	1.2	—

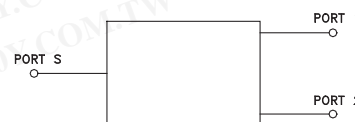
Typical Performance Data

Frequency (MHz)	Total Loss ¹ (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
350.00	3.27	3.21	0.06	17.49	0.29	1.43	1.13	1.12
500.00	3.16	3.08	0.08	42.43	0.26	1.13	1.13	1.11
600.00	3.16	3.08	0.09	24.83	0.33	1.03	1.10	1.08
1100.00	3.26	3.21	0.05	33.79	0.45	1.25	1.22	1.22
1600.00	3.41	3.35	0.06	20.51	0.81	1.39	1.24	1.19
2300.00	3.49	3.39	0.10	23.95	0.93	1.41	1.38	1.26
2700.00	3.41	3.33	0.09	22.13	1.20	1.07	1.20	1.12
3100.00	3.59	3.47	0.12	32.86	2.09	1.38	1.44	1.32
3600.00	3.69	3.61	0.08	17.45	2.22	1.54	1.31	1.17
3700.00	3.73	3.65	0.08	18.98	2.16	1.57	1.38	1.23
4300.00	3.69	3.70	0.01	19.85	2.22	1.35	1.24	1.13
5100.00	3.71	3.69	0.02	29.99	2.50	1.25	1.21	1.29
5500.00	3.81	3.83	0.02	17.04	2.70	1.29	1.08	1.08
5800.00	3.85	3.97	0.12	21.77	2.53	1.24	1.22	1.35
6000.00	3.97	4.12	0.15	18.87	2.23	1.10	1.11	1.20

1. Total Loss = Insertion Loss + 3dB splitter loss.



electrical schematic



For detailed performance specs & shopping online see web site

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp.

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