

DC Pass

NON-CATALOG

Power Splitter/Combiner

IZY2PD-64+
IZY2PD-64

2 Way-0° 50Ω 5800 to 6400 MHz



CASE STYLE: JJJ245

Connectors Model
SMA IZY2PD-64(+)
BRACKET (OPTION "B")

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Maximum Ratings

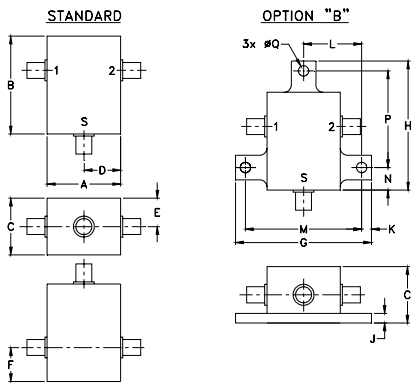
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.
DC Current	1.0 A (500mA for each port)

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	H	
0.75	1.00	0.58	0.38	0.29	0.35	1.39	1.32	
19.05	25.4	14.732	9.65	7.37	8.89	35.31	33.53	
J	K	L	M	N	P	Q	wt	
0.10	0.10	0.595	1.19	0.23	0.995	0.106	grams	
2.54	2.54	15.11	30.23	5.84	25.27	2.69	22.0	

Features

- low insertion loss, 0.2 dB typ.
- high isolation, 35 dB typ.
- excellent input VSWR, 1.05:1 typ.
- excellent amplitude unbalance, 0.1 dB typ.
- excellent phase unbalance, 1 deg. typ.
- rugged shielded case

Applications

- SHF
- amateur radio
- communication systems

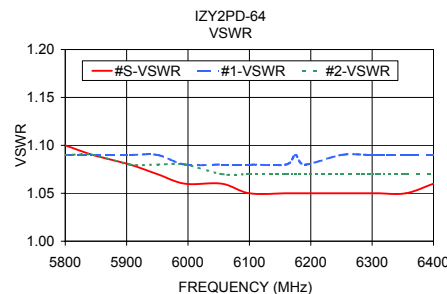
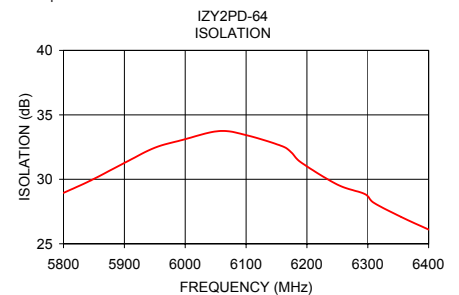
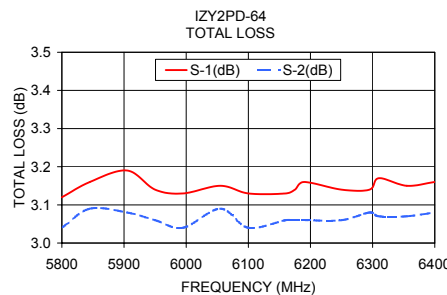
Electrical Specifications

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.
5800-6400	35	24	0.2	0.5	5	0.3	1.05	1.3	1.2	1.35

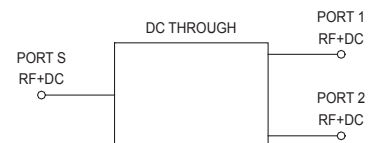
Typical Performance Data

Frequency (MHz)	Total Loss ¹ (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
5800.00	3.12	3.04	0.08	28.95	0.70	1.10	1.09	1.09
5845.00	3.16	3.09	0.07	29.92	0.49	1.09	1.09	1.09
5905.00	3.19	3.08	0.11	31.39	0.51	1.08	1.09	1.08
5950.00	3.14	3.06	0.08	32.45	0.62	1.07	1.09	1.08
5995.00	3.13	3.04	0.09	33.05	0.54	1.06	1.08	1.08
6055.00	3.15	3.09	0.06	33.74	0.53	1.06	1.08	1.07
6100.00	3.13	3.04	0.09	33.43	0.71	1.05	1.08	1.07
6160.00	3.13	3.06	0.08	32.56	0.57	1.05	1.08	1.07
6175.00	3.14	3.06	0.08	32.06	0.64	1.05	1.09	1.07
6190.00	3.16	3.06	0.10	31.32	0.41	1.05	1.08	1.07
6250.00	3.14	3.06	0.08	29.59	0.41	1.05	1.09	1.07
6295.00	3.14	3.08	0.06	28.86	0.29	1.05	1.09	1.07
6310.00	3.17	3.07	0.10	28.18	0.74	1.05	1.09	1.07
6355.00	3.15	3.07	0.08	27.08	0.66	1.05	1.09	1.07
6400.00	3.16	3.08	0.08	26.10	0.64	1.06	1.09	1.07

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



electrical schematic



Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
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