

Coaxial

# Power Splitter/Combiner

## IZY2PD-64+ IZY2PD-64

2 Way-0° 50Ω 5800 to 6400 MHz



### Maximum Ratings

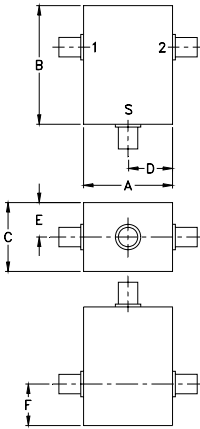
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.

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	wt
.75	1.00	.58	.38	.29	.35	grams
19.05	25.40	14.73	9.65	7.37	8.89	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

CASE STYLE: JJJ245			
Connectors	Model	Price	Qty.
SMA	IZY2PD-64(+)	\$89.95	(1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

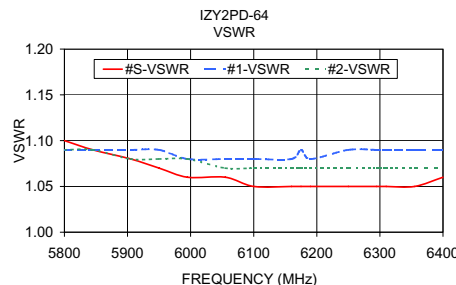
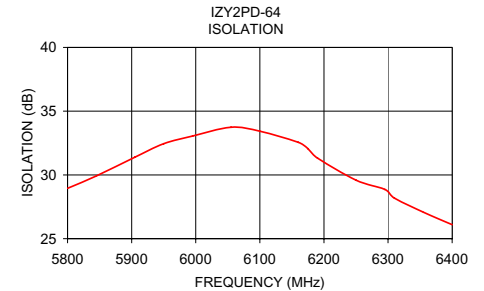
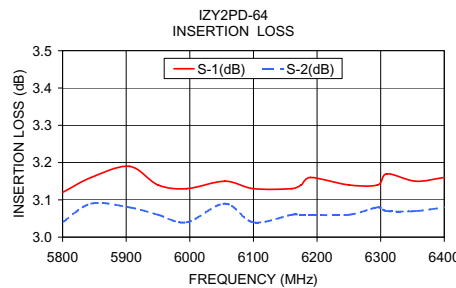
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

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

### 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						
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



### electrical schematic



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