



Features

- very wideband, 20 to 2000 MHz
- low insertion loss, 0.7 dB typ.
- good isolation, 21 dB typ.

Applications

- cellular
- GPS
- communications systems

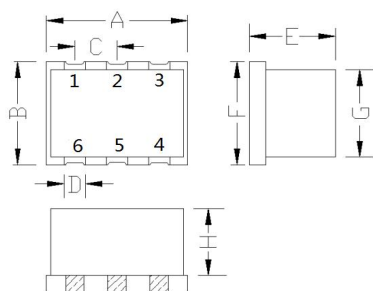
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 3.0 dB		PHASE UNBALANCE (Degrees)		AMPLITUDE UNBALANCE (dB)	
	Min.	Msx.	Min.	Msx.	Min.	Msx.	Min.	Msx.
20-2000	15	30	0.6	1.5	2.0	5.0	0.2	0.7

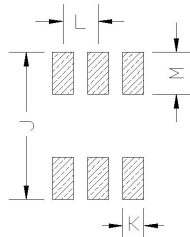
Typical Performance Data

Freq. (MHz)	Total Loss (dB)		Amp. Unbal. (dB)	Isolation (dB)	Phase Unbal. (deg.)	VSWRS		
	S-1	S-2				S	1	2
20	3.57	3.55	0.01	18.82	0.10	1.98	1.58	1.58
60	3.58	3.57	0.01	18.71	0.18	1.96	1.58	1.57
100	3.59	3.59	0.01	18.70	0.29	1.95	1.58	1.58
160	3.61	3.59	0.02	18.72	0.45	1.94	1.58	1.58
300	3.63	3.64	0.01	18.84	0.77	1.91	1.58	1.59
600	3.65	3.65	0.00	19.55	1.46	1.84	1.57	1.59
800	3.65	3.63	0.02	20.59	1.76	1.76	1.56	1.59
950	3.65	3.60	0.05	21.89	1.90	1.71	1.55	1.58
1150	3.65	3.56	0.09	24.73	1.89	1.62	1.53	1.56
1300	3.67	3.64	0.03	28.68	1.70	1.53	1.52	1.54
1450	3.72	3.60	0.12	37.99	1.45	1.46	1.50	1.51
1600	3.78	3.73	0.05	34.62	1.03	1.42	1.49	1.48
1850	3.94	3.83	0.11	22.22	0.16	1.45	1.47	1.40
1950	4.01	3.94	0.07	19.58	0.70	1.51	1.46	1.36
2000	4.03	4.02	0.01	18.65	0.98	1.55	1.46	1.34

Outline Drawing



PCB Land Pattern



Outline Dimensions: Unit (mm)

A	8.70	G	5.50
B	6.50	H	4.30
C	2.54	L	2.54
D	1.30	J	8.00
E	5.40	K	1.50
F	6.54	M	2.00
WT	3g		

Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1 W max.
Internal Dissipation	0.125W max.

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

JY-LRPS-2-11+



2 Way-0° 50Ω 20 to 2000 MHz

electrical schematic



Pin Connections

SUM PORT	6
PORT 1	4
PORT 2	3
GND	1,2,5

