



Features

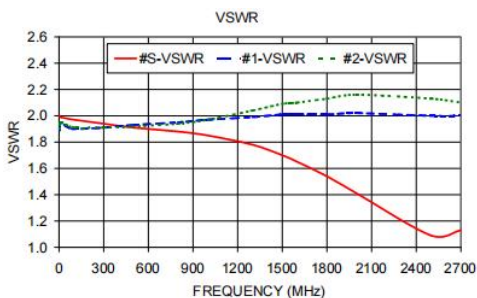
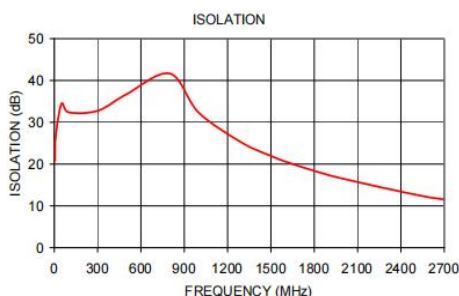
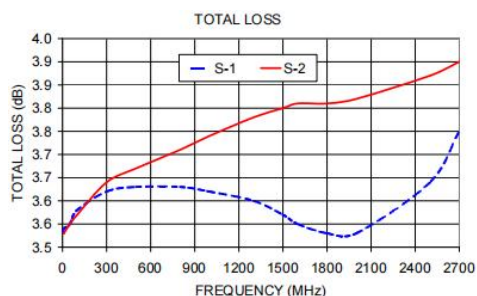
- wideband, 5 to 2700 MHz
- low insertion, 0.9 dB typ.
- excellent amplitude unbalance, 1.5 deg. typ.
- external resistor required
- aqueous washable
- leads for excellent solderability
- low cost

Applications

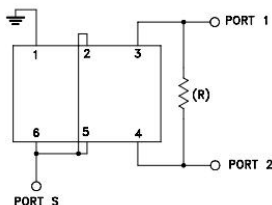
- cellular
- PCN
- GPS
- CATV
- communication systems

Electrical Specifications at 25°C

Parameter	Frequency(MHz)	Min.	Typ.	Max.	Unit
Frequency Range	-	5	-	2700	Mhz
Insertion Loss Above 3.0 dB	5-50	-	0.6	0.8	dB
	50-1350	-	0.9	1.1	
	1350-2700	-	1.4	2.0	
Isolation	5-50	15	20	-	dB
	50-1350	20	24	-	
	1350-2700	10	12	-	
Phase Unbalance	5-50	-	0.5	2	Degree
	50-1350	-	2	4	
	1350-2700	-	6	10	
Amplitude Unbalance	5-50	-	0.1	0.4	dB
	50-1350	-	0.3	0.6	
	1350-2700	-	0.9	1.3	
VSWR (Port S)	5-50	-	2.0	2.2	:1
	50-1350	-	2.0	2.2	
	1350-2700	-	1.8	2.2	
VSWR (Port 1-2)	5-50	-	2.0	2.2	:1
	50-1350	-	2.0	2.2	
	1350-2700	-	2.3	2.5	



Electrical Schematic



JY-TCP-2-272+



2 Way-0° 50Ω 5 to 2700 MHz

Maximum Ratings

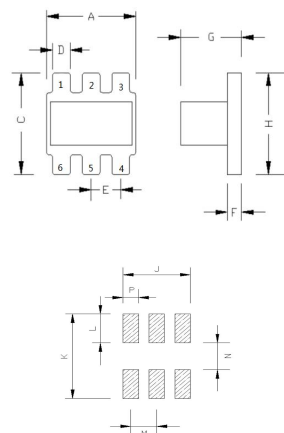
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	0.5W max

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

Pin Connections

SUM PORT	2,5,6
PORT 1	3
PORT 2	4
GROUND	1
EXT. RESISTOR 475Ω	3,4

Outline Drawing



Outline Dimensions (mm)

A	3.81	N	1.53
B	–	M	1.27
C	3.81	P	0.76
D	0.76	H	3.81
E	1.27	J	3.3
F	0.61	K	4.83
G	2.61	L	1.65

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