



Features

- TTL-Compatible Driver
- Broad Operating Bandwidth
- Customization Available

Applications

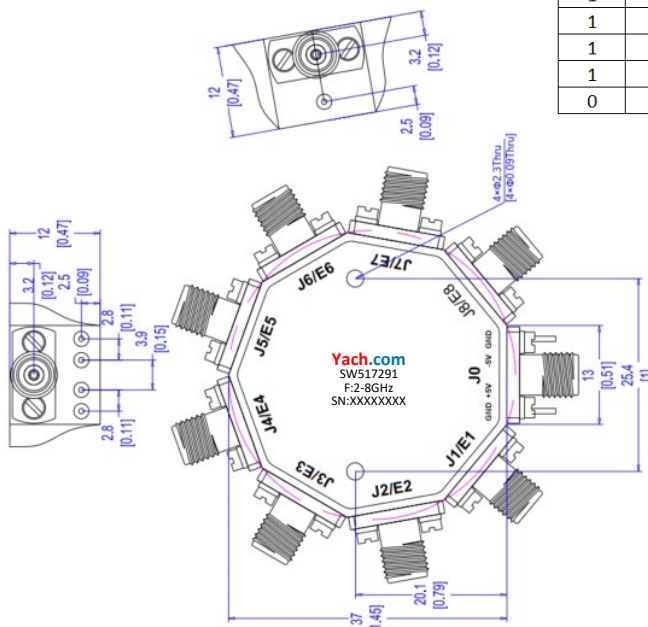
- Test Instrument
- Telecom Infrastructure
- Microwave Radio

Parameter	Min.	Typ.	Max.	Unit
Frequency	2		8	GHz
Insertion Loss			2.5	dB
VSWR			1.5	/
Isolation	80			dB
Switching Speed			100	ns
CW RF Power, Operating			30	dBm
DC Bias	+5 V±0.5 V @ 400 mA Max. -5 V±0.5 V @ 50 mA Max.			
Material	Aluminum			
Finish	Gold Plating			
Input/Output Connector	SMA-Female / SMA-Female			
Operational Temperature	-45°C~+85°C			
Storage Temperature	-55°C~+125°C			
Humidity	100% RH at 35c, 95%RH at 40 deg c			

Yach reserves the right to change this datasheet without notice!

Outline Drawing:

Dimensions are in mm [inches].
Tolerance +/-0.1mm; Hole +/-0.1mm



Truth Table

Control Input TTL								Signal Path State
E8	E7	E6	E5	E4	E3	E2	E1	
1	1	1	1	1	1	1	0	J0-J1
1	1	1	1	1	1	0	1	J0-J2
1	1	1	1	1	0	1	1	J0-J3
1	1	1	1	0	1	1	1	J0-J4
1	1	1	0	1	1	1	1	J0-J5
1	1	0	1	1	1	1	1	J0-J6
1	0	1	1	1	1	1	1	J0-J7
0	1	1	1	1	1	1	1	J0-J8

Absolute Maximum Ratings	
Biasing	+5V,-5V
TTL Control Voltage	+5V/0V
Input RF power	+30dBm