

Performance features:

- Low standing wave, low insertion loss, high isolation
- Good environmental adaptability
- Compact size and lightweight
- self-perpetuating

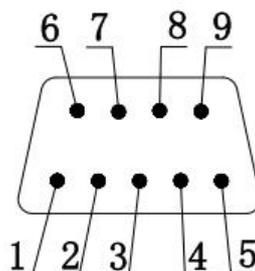
Product Introduction

The waveguide switch developed by YOHO Technology features low standing wave, small insertion loss, compact size, light weight and strong environmental adaptability.

This series of products can be used in automatic control system, automatic test equipment and other fields.

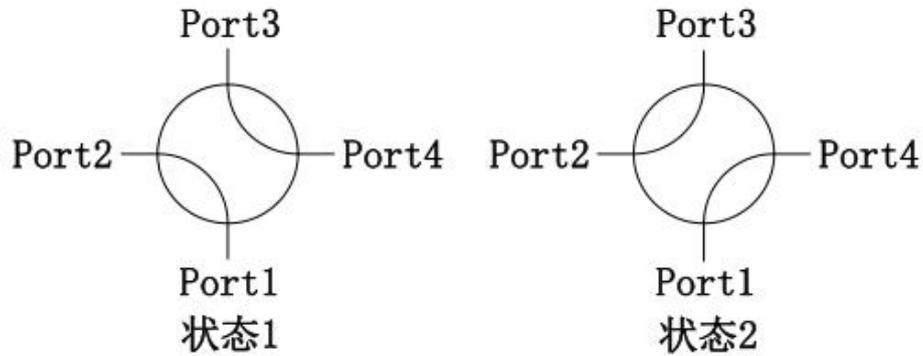
Project		Qualification
General parameters	Conversion format	Type C (SPDT/DPDT)
	Feedback available	have
	self-cutting capability	not have
	Keep features	have
	radio frequency interface	standard rectangular waveguide
	flange	standard flat flange
	control interface	J30J-9ZKP connector
	control method	Power on directly
electrical parameters	Rated operating voltage (Vd.c.)	28
	Operating voltage range (Vd.c.)	22-32
	Rated operating current (mA)	625 (28Vd.c.@25°C)
	Maximum power rating (W)	500
	change-over time (ms)	≤60
environmental characteristics	working temperature	-40°C-85°C
	storage temperature	-55°C-85°C
	random vibration	Acceleration spectral density 2 (m/s ²) ² /Hz, total root mean square acceleration 53.5 m/s ²
	lash	50g, half-sine

Control interface (J30J-9ZKP)

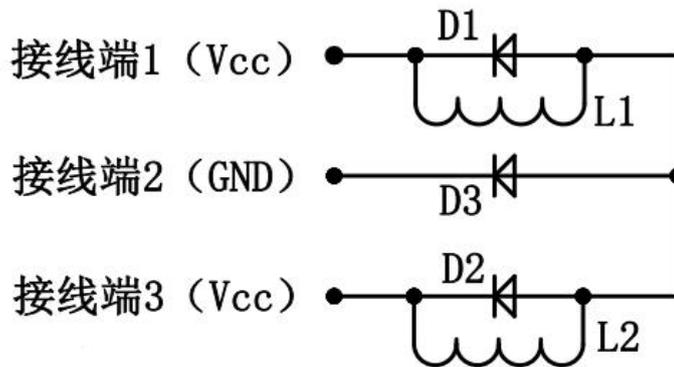


model	Frequency range (GHz)	velocity (Max ms)	standing-wave ratio (Max)	insertion loss (dB Max)	insulate (dB Max)	weight (g Max)
BJ100	8.2-12.4	50	1.1	0.1	60	465

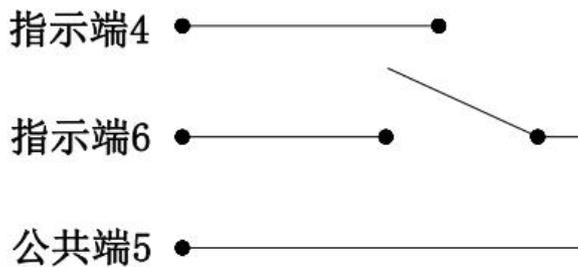
Switching operating state



Drive circuit (high level + 28V drive)



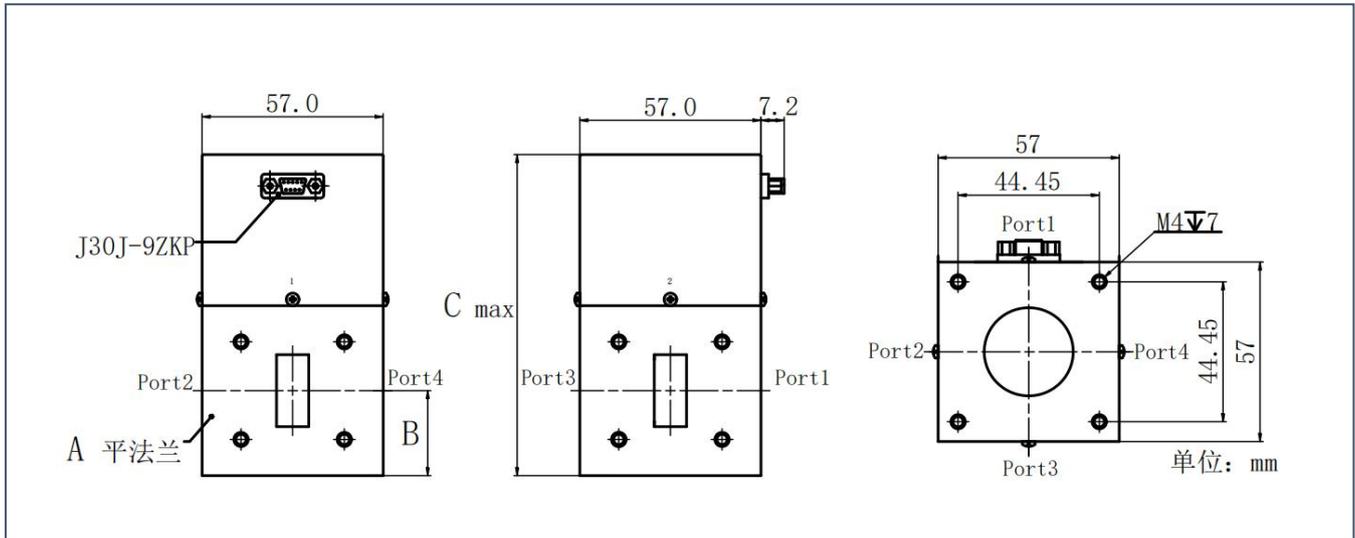
Indicating circuit



Incentives and Feedback

Switch state	Pumping signal			Feedback signal (pin 5 as common)	
	1	2	3	4	6
state 1	Vcc	GND	OPEN	Conduction with 5	Disconnect from 5
state 2	OPEN	GND	Vcc	Disconnect from 5	Conduction with 5

Dimensions (mm)



model	A	B	C
BJ100	WR90(FBP100)	27	102

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