

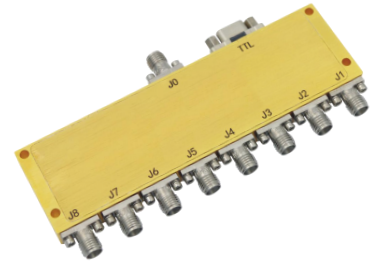
# 6-18GHz Broadband Switch

P/N: SP8T0618GA60A



## Description:

The switch is a broadband PIN switch with a typical Loss insertion of 4.5 dB and a high isolation of 60dB across the frequency range of 6 to 18 GHz. The typical switch speed 50ns. The DC power requirement for the switch is +/-5 V/50 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

## Electrical Specifications ( +25°C ) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		6-18		GHz
Insertion Loss			4.5	dB
Isolation	60			dB
Input VSWR		1.9	2.5	-
Output VSWR		1.9	2.5	-
Switch Speed		50	80	ns
Power Handing			35	dBm
DC Current (Vcc=+5/-12V)		150/50		mA
Control Logic TTL	0 ( 0 to 0.8Vdc ) - ON	1 ( 2.0 to +5.0Vdc ) - OFF		v
Impedance		50		Ω
Input Output Connector	SMA-Female/SMA-Female			
Switch Type	Absorption			
Material	Aluminium/Gold Painting			
Weight		50g		
Package Sealing	General Sealing (Standard)			

## Environmental Specifications:

- ※ Operational Temperature -25°C~+85°C
- ※ Storage Temperature -55°C~+125°C



OBSERVE  
PRECAUTIONS ELECTROSTATIC  
SENSITIVE DEVICES

MICZEN THCHNOLOGIES CO.,LTD.

Phone: +86 28 65003621 | E-mail: sales@miczen.com | Web: www.miczen.com

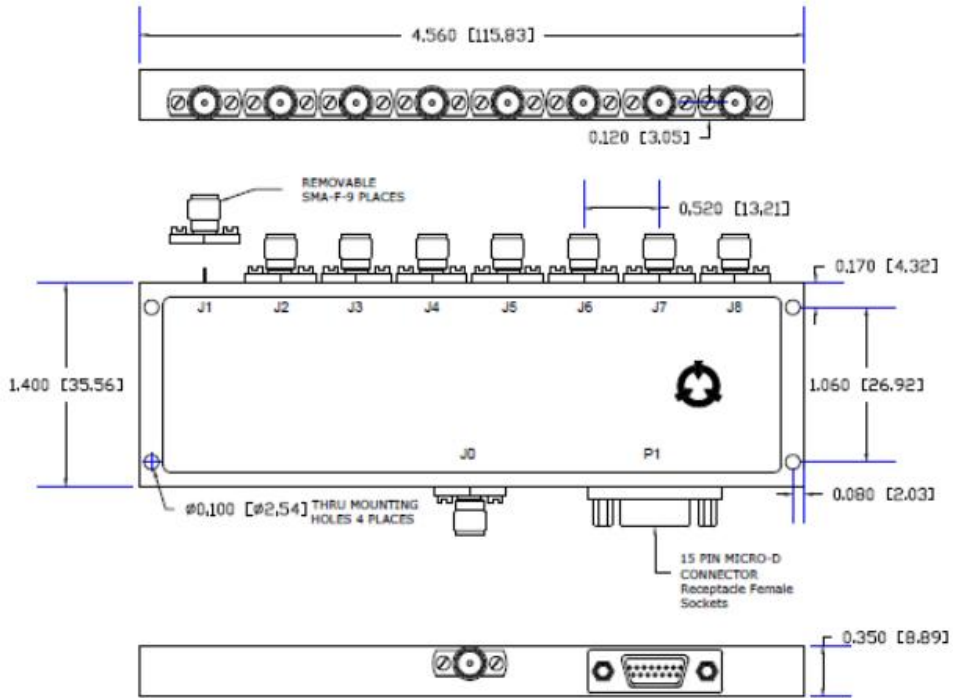
# 6-18GHz Broadband Switch

P/N: SP8T0618GA60A



## ■ Outline Drawing

All Dimensions in mm (inches) Tolerance  $\pm 0.25$  (0.01)



PIN#	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FUNCTIONS	-12V	GND	+5V	GND	J1	J2	J3	J4	J5	J6	J7	J8	NC	NC	NC

### NOTE:

1. The product is designed to meet environmental ratings but not tested. If you need to test environmental condition, please contact our sales department.
2. Miczen technologies co., Ltd. reserves the right to change the above information without notice.

**MICZEN THCHNOLOGIES CO.,LTD.**

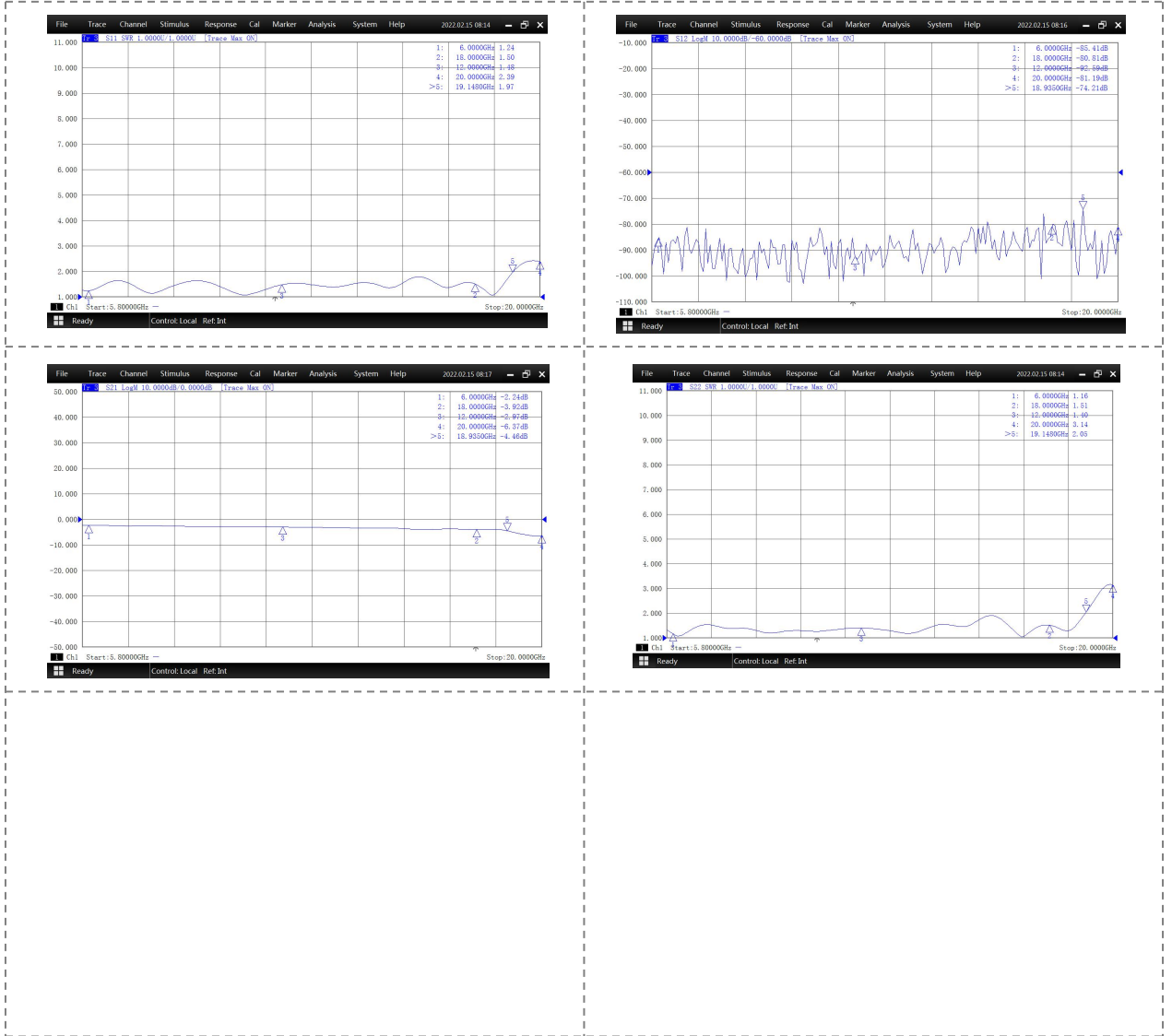
Phone: +86 28 65003621 | E-mail: sales@miczen.com | Web: www.miczen.com

# 6-18GHz Broadband Switch

## P/N: SP8T0618GA60A



### Performance Plot



MICZEN THCNOLOGIES CO.,LTD.

Phone: +86 28 65003621 | E-mail: sales@miczen.com | Web: www.miczen.com