

Part No.: RSJS-S00-000-000

GigaLane's SMA Type Switch (RSJS) is designed for application in home repeater and can be widely used in communication system such as Ubicell, Femtocell and etc.



The RSJS is for switching signal automatically as the mating connector is plugged in.

[Features]

- SMA Type
- DC ~ 2.3 GHz
- Min. 500 matching cycles

[Applications]

- Home Repeater
- Telecom Base Station
- Switching between internal and external antenna

Technical Data

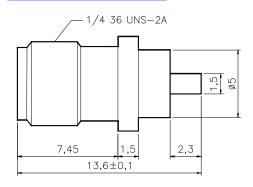
Electrical Data	Impedance	50 Ω nominal
	Frequency Range	DC ~ 2.3 GHz
	Return Loss	N.O. : 20 dB Min N.C. : 17 dB Min
	Isolation	20 dB Min
	Contact Resistance (max)	Inner : 10 m Ω , Outer : 2 m Ω
	Power Rating	1 Watt
	Insulation Resistance (min)	500 MΩ
Mechanical Data	Durability	500 mating cycles
	Contact Captivation (axial)	1.0 kg min
Environmental Data	Operating Temp	- 55℃ ~ 125 ℃
	Vibration	MIL-STD-202
	Thermal Shock	MIL-STD-202
	RoHS	Compliant

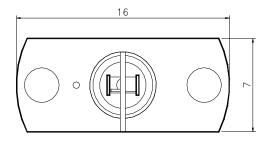
	Des	scription	Material	Surface Plating
Material Data	Inner Contact	Antenna Contact	Brass	Gold
		OperationContact	BeCu	Gold
	Outer Contact & G	round Pin	Brass	Gold
	Insulator		PA6T66	





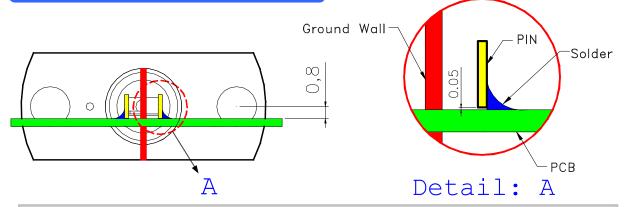
Outline Drawing





Unit: mm

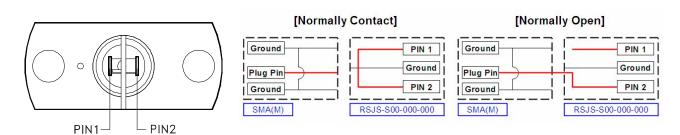
Installation & Soldering method



Note

- 1) Recommended to leave 0.05mm gap between switching pins and PCB board to protect switching pins when installing on the module.
- 2) Solder outside of switching pins only for improving isolation performance (refer to Detail A)

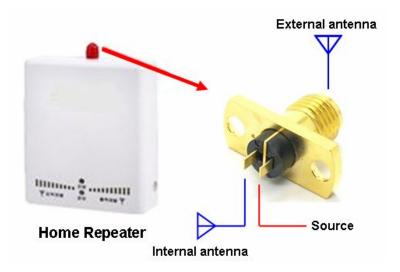
Switching Mechanism





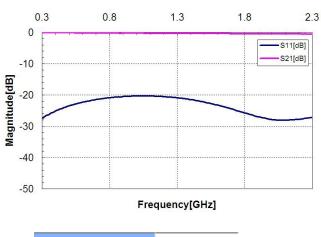


Application

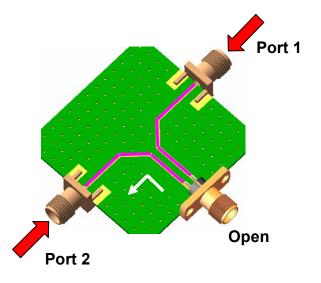


Performance (Normally Contact)

1. RF TEST (N.C)



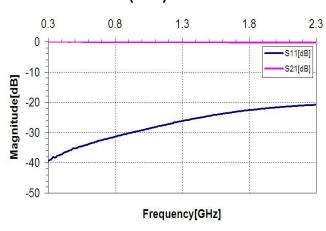
Frequency	2.3 GHz
Return loss	-26 dB
Insertion loss	-0.54 dB



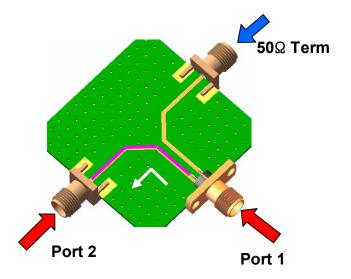


Performance (Normally Open)

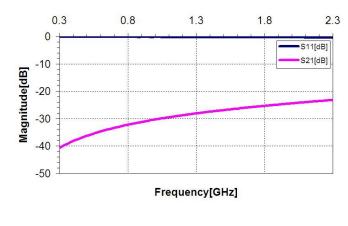
1. RF TEST (N.O)



Frequency	2.3 GHz
Return loss	-21.4 dB
Insertion loss	-0.3 dB



2. RF TEST (ISOLATION)



Frequency	2.3 GHz
Return loss	-22.0 dB

