



Tri-Lights Optical Technology Co., Ltd.
川越光科技有限公司

KSMP-Switch Series (26.5GHz)

Specifications



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KSMP-XXXXXXXX

Switch Box Series Map

Input port number	Output port number	Frequency range	Matrix type
2	8	3	Blocking
4	12	8	Non-blocking
	16	20	
	20	26.5	
	24		
	28		
	32		
	64		
	128		

Product Overview

Key feature

- Match Anritsu VNA
- Flexible for external application software
- Stable measured test result
- Generate report

Application

- The switch box is application on high frequency measured.
- Application on antenna
- Application on cable (single wire)

Specifications (Switch box)

Input power	100V to 240V (AC)
Voltage frequency	3A, 50 to 60 Hz
Interface	RJ, USB
Ambient temperature	-25 to 75



Performance Characteristics (Blocking Type)

Insertion Loss	DC ~ 3GHz	0.2 dB Max.
	3GHz ~ 8GHz	0.3 dB Max.
	8GHz ~ 18GHz	0.6 dB Max.
	18GHz ~ 20GHz	0.6 dBMax.
	20GHz ~ 26.5GHz	0.7 dB Max.
Isolation	DC ~ 3GHz	80 dB Min.
	3GHz ~ 8GHz	70 dB Min.
	8GHz ~ 18GHz	65 dB Min.
	18GHz ~ 20GHz	60 dB Min.
	20GHz ~ 26.5GHz	60 dB Min.
VSWR	DC ~ 3GHz	1.2 Max.
	3GHz ~ 8GHz	1.3 Max.
	8GHz ~ 18GHz	1.45 Max.
	18GHz ~ 20GHz	1.5 Max.
	20GHz ~ 26.5GHz	1.7 Max.



Performance Characteristics (Non-Blocking Type)

Insertion Loss	DC ~ 3GHz	1.1 dB Max.
	3GHz ~ 8GHz	1.9 dB Max.
	8GHz ~ 18GHz	3.0 dB Max.
	18GHz ~ 20GHz	3.3 dB Max.
	20GHz ~ 26.5GHz	3.8 dB Max.
VSWR		
	DC ~ 3GHz	1.05 Max.
	3GHz ~ 8GHz	1.08 Max.
	8GHz ~ 18GHz	1.15 Max.
	18GHz ~ 20GHz	1.18 Max.
	20GHz ~ 26.5GHz	1.41 Max.

Specifications (Coaxial switch)

Working voltage	24 V (DC)
Working frequency range	DC to 26.5 Ghz
Life circle	2 Millions
Response	15ms



Remote Configuration

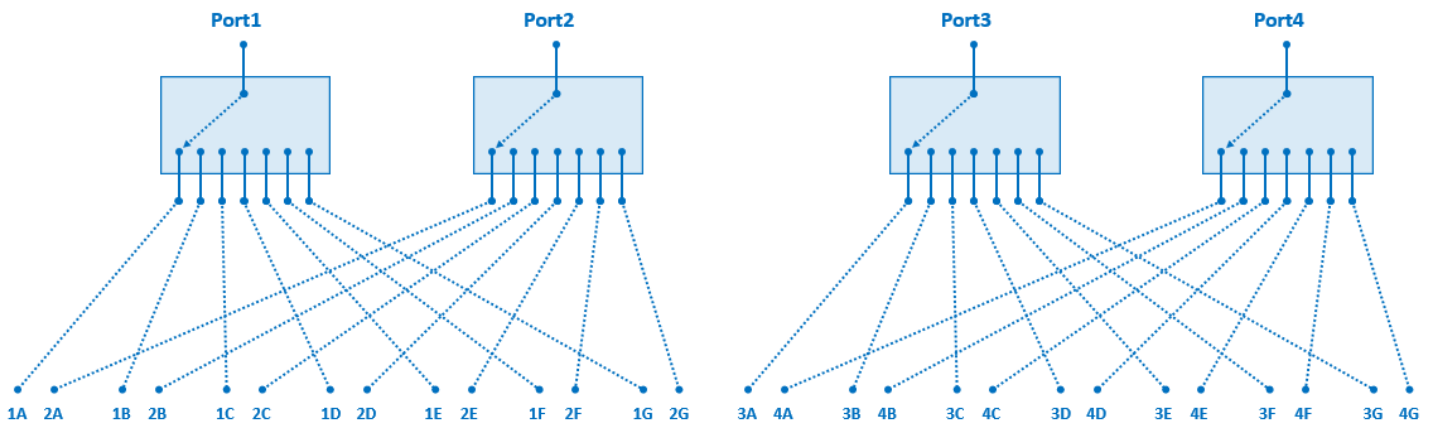
USB UART / RS232 Connection

Serial Port	User Define
Baud Rate	9600
Data bit	8
Parity	None
Stop Bit	1

Ethernet LAN Connectoin

Host IP	192.168.1.150 (Default)
Detination port	23

Matrix Structure (Sample: 4 to 28, Blocking Type)





Matrix Structure (Sample: 4 to 28, Non-Blocking Type)

