동축 스위치

네비게이터

원하는 동축 스위치 찾는 방법

A. 스위치 타입

Family

Subminiature

Platinum

Titanium

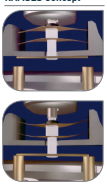
Slimline

Ramses

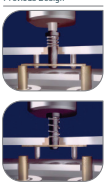
Self aligned small size pusher • Low insertion loss • High level of power • **Without guide pins** • No friction, no dust • Long life • **RF contact improved** • Low contact resistance

The **RA**diall **M**odular **S**ystem for **E**lectromechanical **S**witches (**RAMSES**) is a patented technology that enables microwave coaxial switches to be produced with a typical operating life of ten million cycles without a decrease in contact resistance reliability over time. Most competitor's products can only achieve one million cycles. In addition, the unique internal construction makes the switches modular, which reduces the cost and lead time.

RAMSES Concept | Previous Design



10,000,000 actuations



1,000,000 actuations

Series

RF Type (Switch configuration)

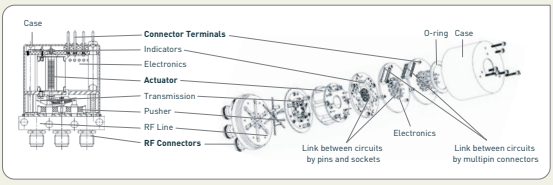
SPDT	DPDT	DP3T	SPnT
Single Pole Double Throw	Double Pole Double Throw	Double Pole Three Throw	Single Pole Multi Throw

Frequency

Measured in GHz. Current range is DC-50 GHz (Max)

B. 부품

Connector Type	# of Connector Ports *refers to SPnT Only*	Actuator Type	Actuator Voltage *VDC*



Connector Terminals may be solder pins or D-Sub.

C. 전기적 특성 옵션

Indicator Circuit	TTL Drive
Indicates position of RF contacts	*Transistor Transistor Logic*
Self Cutoff	**Diodes**
Disconnects actuator voltage after state is switched	*Suppress transient voltage*

D. 기타 옵션

RF Terminated	Repeatability Guarantee	Life Cycles

Radiall

A. 스위치 타입 | B. 부품 | C. 전기적 특성 옵션 | D. 기타 옵션

Frequency (GHz)**: 2.5 3 6 8 12.4 18 20 22 26.5 40 50

Family	Series	RF Type (switch config.)	Connector Type	# of Connector Ports	Actuator Type: Normally open	Actuator Type: Latching	Actuator Type: Failsafe	Actuator Voltage	Indicator Circuit	TTL Drive	Self Cutoff	Diodes	RF Terminated	Repeatability Guarantee	Life Cycles (Millions)
RAMSES	RS73 RS74	SPnT	SMA2.9 (40GHz)	3 - 6 ways	■	■		12/28	Yes	Yes	Yes if latching	Yes	Yes (Internal loads)	No	2
		SPnT											No		
		SPnT	SMA (3, 18, 22 & 26.5GHz)	3 - 6 ways 12 ways F * 8 - 10 ways ◊	■	■		12/28	Yes	Yes	Yes if latching	Yes	Yes (Internal loads)	No	2
													No		5
			SMA2.9 (26.5GHz)	3 - 6 ways	■	■		12/28	Yes	Yes	Yes if latching	Yes	No	No	2
		SPnT	QMA (6GHz)	3 - 6 ways	■	■		12/28	Yes	Yes	Yes if latching	Yes	No	No	5
		SPnT	DIN 1.6/5.6 (2.5GHz) (75Ω only)	3 - 6 ways	■	■		12/28	Yes	Yes	Yes if latching	Yes	No	No	2
		SPnT	N (3, 8, & 12.4GHz)	3 - 6 ways 7 - 12 ways ◻	■	■		12/28	Yes	Yes	Yes if latching	Yes	Yes	No	2
		SPnT	BNC (3GHz)	3 - 6 ways	■	■		12/28	Yes	Yes	Yes if latching	Yes	No	No	2
		SPnT	TNC (3 & 12.4GHz)	3 - 6 ways	■	■		12/28	Yes	Yes	Yes if latching	Yes	No	No	2
	RS70	SPDT	2.4mm (50GHz)	3 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2
		SPDT	SMA2.9 (40GHz)	3 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	10
		SPDT	SMA (3, 18 & 26.5GHz)	3 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	10
		SPDT	QMA (6GHz)	3 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	10
		SPDT	DIN 1.6/5.6 (2.5GHz) (75Ω only)	3 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	5
		SPDT	SMB (3GHz)	3 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2.5
		SPDT	SMC (3GHz)	3 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2.5
		SPDT	Mini SMB (3GHz) (75Ω only)	3 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2.5
		SPDT	PC board mount (3GHz)	3 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	5
		SPDT	N (3 & 12.4GHz)	3 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2.5
		SPDT	TNC (3, 12.4 & 18GHz)	3 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2.5
		SPDT	BNC (3GHz)	3 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2.5
	RS72 (low height)	SPDT	SMA2.9 (40GHz)	3 ports		■	■	12/28	Yes	No	No	No	No	No	2.5
		SPDT	SMA (3,18 & 26.5GHz)	3 ports		■	■	12/28	Yes	No	No	No	No	No	2.5
		SPDT	QMA (6GHz)	3 ports		■	■	12/28	Yes	No	No	No	No	No	2.5
		SPDT	DIN 1.6/5.6 (2.5GHz) (75Ω only)	3 ports		■	■	12/28	Yes	No	No	No	No	No	2.5
		SPDT	SMB (3GHz)	3 ports		■	■	12/28	Yes	No	No	No	No	No	2.5
		SPDT	SMC (3GHz)	3 ports		■	■	12/28	Yes	No	No	No	No	No	2.5
		SPDT	Mini SMB (3GHz) (75Ω only)	3 ports		■	■	12/28	Yes	No	No	No	No	No	2.5
		SPDT	2.4mm (50GHz)	3 ports		■	■	12/28	Yes	No	No	No	No	No	2
	RS77	DPDT	SMA2.9 (40GHz)	4 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2.5
		DPDT	SMA (3,18 & 26.5GHz)	4 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2.5
		DPDT	QMA (6GHz)	4 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2.5
		DPDT	DIN 1.6/5.6 (2.5GHz) (75Ω only)	4 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2.5
		DPDT	N (3 & 12.4GHz)	4 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2.5
		DPDT	TNC (3 & 12.4GHz)	4 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2.5
		DPDT	BNC (3GHz)	4 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2.5
	RS85	SPDT ZC (ZC = terminated)	SMA2.9 (40GHz)	5 ports	■	■	■	12/28	Yes	Yes	Yes	Yes	Yes (2 external loads)	No	2
		SPDT ZC (ZC = terminated)	SMA (3,18 & 26.5GHz)	3 ports	■	■	■	12/28	Yes	Yes	Yes	Yes	Yes (2 external loads)	No	2
		SPDT ZC (ZC = terminated)	SMA (3,18 & 26.5GHz)	5 ports	■	■	■	12/28	Yes	Yes	Yes	Yes	Yes (2 external loads)	No	10
		SPDT ZC (ZC = terminated)	2.4mm (50GHz)	5 ports		■	■	12/28	Yes	Yes	Yes	Yes	Yes (2 external loads)	No	2
		DP3T	SMA2.9 (40GHz)	5 ports	■	■	■	12/28	Yes	Yes	Yes	Yes	No	No	2
		DP3T	SMA (3,18 & 26.5GHz)	5 ports	■	■	■	12/28	Yes	Yes	Yes	Yes	No	No	10
		DP3T	2.4mm (50GHz)	5 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2
		BYPASS	SMA2.9 (40GHz)	4 ports	■	■	■	12/28	Yes	Yes	Yes	Yes	Yes (1 external loads)	No	2
		BYPASS	SMA (3,18 & 26.5GHz)	4 ports	■	■	■	12/28	Yes	Yes	Yes	Yes	Yes (1 external loads)	No	10
		BYPASS	2.4mm (50GHz)	4 ports	■	■	■	12/28	Yes	Yes	Yes	Yes	Yes (1 external loads)	No	2
SUBMINIATURE	RS91	SPnT	SMA (6 & 26.5GHz)	4 - 6 ways	■	■		12/28	No	Yes if N Open	No	Yes	No	No	10
		SPnT	QMA (6GHz)	4 - 6 ways	■	■		12/28	No	Yes if N Open	No	Yes	No	No	10
		SPnT	SMA2.9 (40GHz)	4 - 6 ways	■	■		12/28	No	Yes if N Open	No	Yes	No	No	2
PLATINUM	RS93	DPDT	SMA (6,20 & 26.5GHz)	4 ports		■		24	Yes	Yes	Yes	Yes	No	0.03 dB	10
		DPDT	SMA2.9 (40GHz)	4 ports		■		24	Yes	Yes	Yes	Yes	No	0.03 dB	5
	RS94	SPnT	SMA (6,20 & 26.5GHz)	4 - 6 ways		■		24	Yes	Yes	Yes	Yes	Yes (Internal loads)	0.03 dB	10
		SPnT	SMA2.9 (40GHz)	4 - 6 ways		■		24	Yes	Yes	Yes	Yes	Yes (Internal loads)	0.03 dB	2
	RS95	SPDT	SMA2.9 (40GHz)	3 ports		■		15/24	Yes	Yes	Yes	Yes	No	0.05 dB	10
		SPDT	SMA (6,20 & 26.5GHz)	3 ports		■		15/24	Yes	Yes	Yes	Yes	No	0.03 dB	10
		SPDT ZC (ZC = terminated)	SMA2.9 (40GHz)	5 ports		■		15/24	Yes	Yes	Yes	Yes	Yes (External loads)	0.05 dB	2.5
		SPDT ZC (ZC = terminated)	SMA (6,20 & 26.5GHz)	3 ports		■		15/24	Yes	Yes	Yes	Yes	Yes (Internal loads)	0.03 dB	10
		DP3T	SMA2.9 (40GHz)	5 ports		■		15/24	Yes	Yes	Yes	Yes	No	0.05 dB	10
		DP3T	SMA (6,20 & 26.5GHz)	5 ports		■		15/24	Yes	Yes	Yes	Yes	No	0.03 dB	10
		BYPASS	SMA2.9 (40GHz)	4 ports		■		15/24	Yes	Yes	Yes	Yes	Yes (Internal loads)	0.05 dB	2.5
		BYPASS	SMA (6,20 & 26.5GHz)	4 ports		■		15/24	Yes	Yes	Yes	Yes	Yes (Internal loads)	0.03 dB	10
TITANIUM	RS1X	SPnT	SMA2.9 (40GHz)	4 - 6 ways		■		24	Yes	Yes	Yes	Yes	N/Y (Internal loads)	0.05 dB	1
		SPnT	SMA (6,20 & 26.5GHz)	4 - 6 ways		■		24	Yes	Yes	Yes	Yes	N/Y (Internal loads)	0.03 dB	2.5
SLIM LINE	RS96	SPDT	None (3 & 8GHz)	None		■	■	12/24	No	No	No	No	No	No	2
		BYPASS	None (3 & 8GHz)	None		■	■	12/24	No	No	No	No	No	No	2
RAMSES Low Pim	RS70xxxxxxLP	SPDT	SMA (18GHz)	3 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2
		SPDT	N (12.4GHz)	3 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2
	RS77xxxxxxLP	DPDT	SMA (18GHz)	4 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2
		DPDT	N (12.4GHz)	4 ports		■	■	12/28	Yes	Yes	Yes	Yes	No	No	2
	RS73xxxxxxLP	SPnT	SMA (18GHz)	6 ports	■	■		12/28	Yes	No	No	No	No	No	2
		SPnT	N (12.4GHz)	6 ports	■	■		12/28	Yes	Yes	Yes	Yes	No	No	2
Tvac	RS71F63121	SPDT	SMA (22GHz)	2 ports		■		28	Yes	No	Yes	Yes	No	No	10
	RS71863121	SPDT	SMA2.9 (40GHz)	2 ports		■		28	Yes	No	Yes	Yes	No	No	10
	RS78F63121	SPDT	SMA (22GHz)	4 ports		■		28	Yes	No	Yes	Yes	No	No	2.5
	RS78863121	DPDT	SMA2.9 (40GHz)	4 ports		■		28	Yes	No	Yes	Yes	No	No	2.5
	RS83xxx122 & 121	SPnT	SMA (22GHz)	4 & 6 ports		■		28	Yes (separated)	No	No	No	No	No	5
	RS83833121	SPnT	SMA2.9 (40GHz)	6 ports		■		28	Yes (separated)	No	No	No	No	No	2

Note: Please consult the coaxial switching catalog for other P/N selection digits (electrical options & other options). BCD (Binary Code Decimal) available for SPnT only. *Indicates 75 Ohm product. Switches are break-before-make and 50 Ohms Impedance unless otherwise specified.**Corresponding 4th P/N selection digit inside arrows.

제품 문의: 070-7872-0701

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