

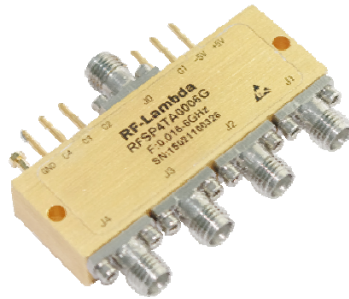


RF-LAMBDA

The power beyond expectations

RFSP4TR5M06G

Reflective 0.5-6GHz Coaxial SP4T Switch



Features

- Wide Band Operation 0.5-6GHz
- TTL compatible driver include
- Fast Switching Speed
- Low Insertion Loss and High Isolation
- Temperature Range -45°C~+85°C
- Customization available upon request
- Hermetically sealed package up to 60,000ft available upon request.

Electrical Specifications, TA = +25° C, With Vdd = +5V & VCTL = 0/ +5V

Description	PN: RFSP4TR5M06G									
	SP4T Reflective Switch									
	High Power Hot Switching									
	Min	Typ.	Max	Min	Typ.	Max	Min	Typ.	Max	Units
Frequency Range	DC-0.1			0.1-3			6-Mar			GHz
Insertion Loss		2			2			2		dB
Insertion Loss Temperature Coefficient		0.003			0.003			0.003		dB/°C
Isolation	80			80			80			dB
Input VSWR			2			2			2	ratio
Power Dissipation (CW)	100W*(F_GHz/0.1GHz)					100			100	W
Noise Figure			3			1.2			1.8	
IM3		57			57			57		dBc
1dB Compression P1dB		50			50			50		dBm
Switching Speed			50			50			50	ns
Weight	100									g
Impedance	50									Ω
Biasing(+5V)	100									mA
Input /Output Connector	N-Female(Standard)									
Finishing	Gold Plating									
Material	Aluminum									
Seal	Hermetically Seal (optional)									

Reflective Coaxial Single Pole Four Throw Switch 0.5-6GHz



Absolute Maximum Ratings

Biasing	+5V
TTL Control Voltage	+5V/0V
RF Input power	+50dBm
Operating Temperature(°C)	-45 ~ +85
Storage Temperature(°C)	-50 ~ +125

Ordering Information

Part No	ECCN	Description
RFSP4TR5M06G	EAR99	SP4T 0.5-6GHz GaN Switch

Environment specifications

Operational Temperature (°C)	-45 ~ +85
Storage Temperature (°C)	-50 ~ +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH at 40°C
Shock	20G for 11msc half sin wave,3 axis both directions

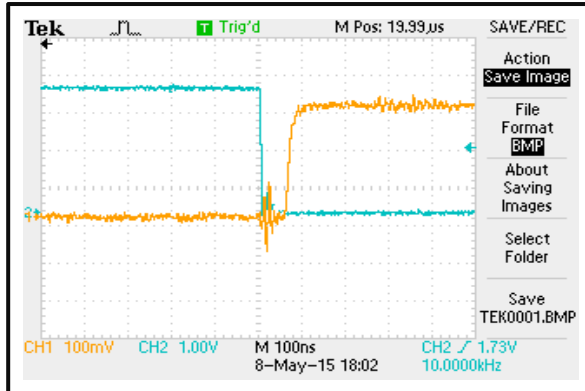


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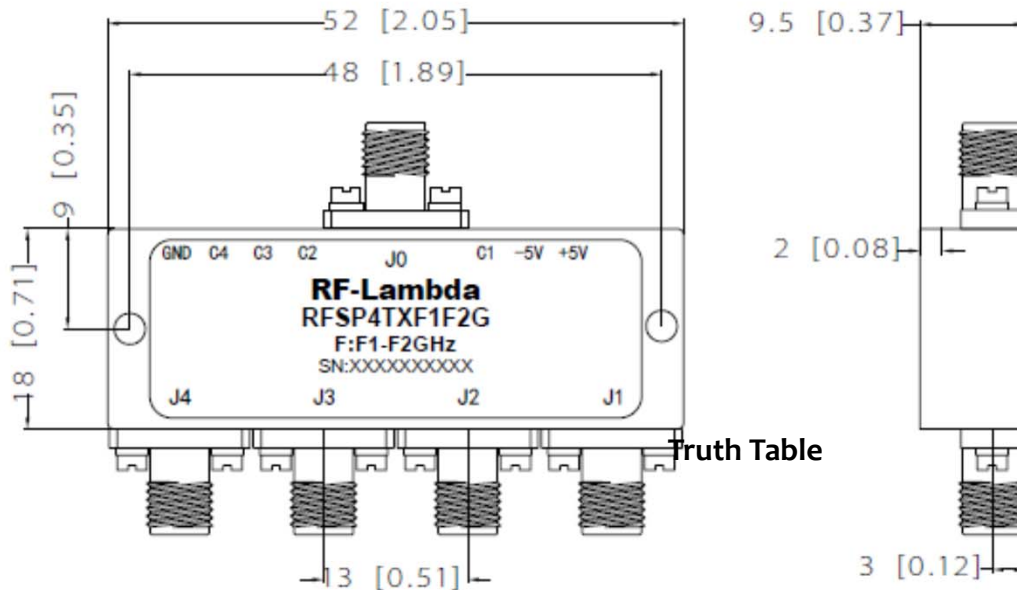
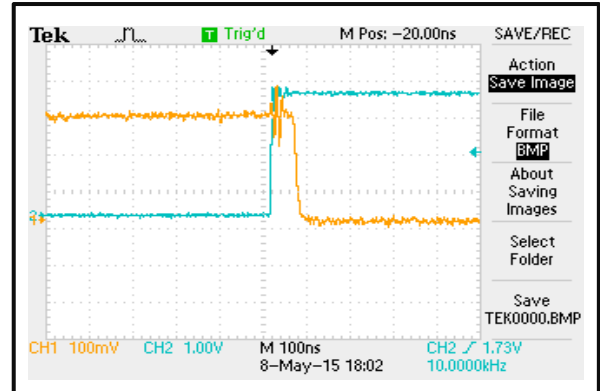
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Switching Speed



Switching Speed



Truth Table



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Reflective Coaxial Single Pole Four Throw Switch 0.5-6GHz