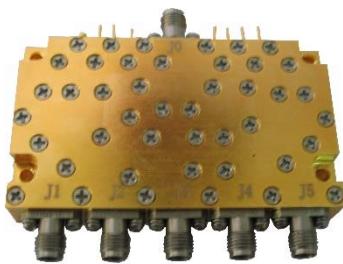




Absorptive 6-12GHz Coaxial SP5T Switch



Features

- Wide Band Operation 6-12GHz
- High Power Handle Capability up to 5W upon request.
- TTL compatible driver include
- Fast Switching Speed
- Low Insertion Loss and High Isolation
- Temperature Range -45°C~+85°C
- Customization available upon request

Specification	Absorptive type					
	PN: RFSP5TA0612G					
	Low	Med	High			
Frequency Range(GHz)	6	9	12			
Insertion Loss(dB)	2.0dB	2.5	3.0dB			
VSWR	1.5	1.8	2.0			
Isolation(dB)	65	65	60			
Switching Speed(ns)	50	50	50			
P1dB Power (dBm)		27				
Absolutely max. Power (W)			1			
Weight (g)		65				
IIP3 (Input IP3) dBm		40				
Impedance(Ohms)		50Ω				
Power Supply (V)		+/-5 V DC				
Current(mA)		200mA (+5V) 100mA (-5V)				
Input Connector		SMA-Female				
Output Connector		SMA-Female				
Finishing		Gold Plating				
Material		Brass				
Seal	Hermetically Sealed					
Control (TTL Driver Included)	TTL Control					
	C5	C4	C3	C2	C1	Status
	1	1	1	1	0	Jo-J1
	1	1	1	0	1	Jo-J2
	1	1	0	1	1	Jo-J3
	1	0	1	1	1	Jo-J4
	0	1	1	1	1	Jo-J5



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RFSP5TA0612G

Absolute Maximum Ratings	
Biassing	+/-5 V
TTL Control Voltage	+5V/oV
Input RF power	+30dBm
Storage Temperature (C°)	-50 ~ +125

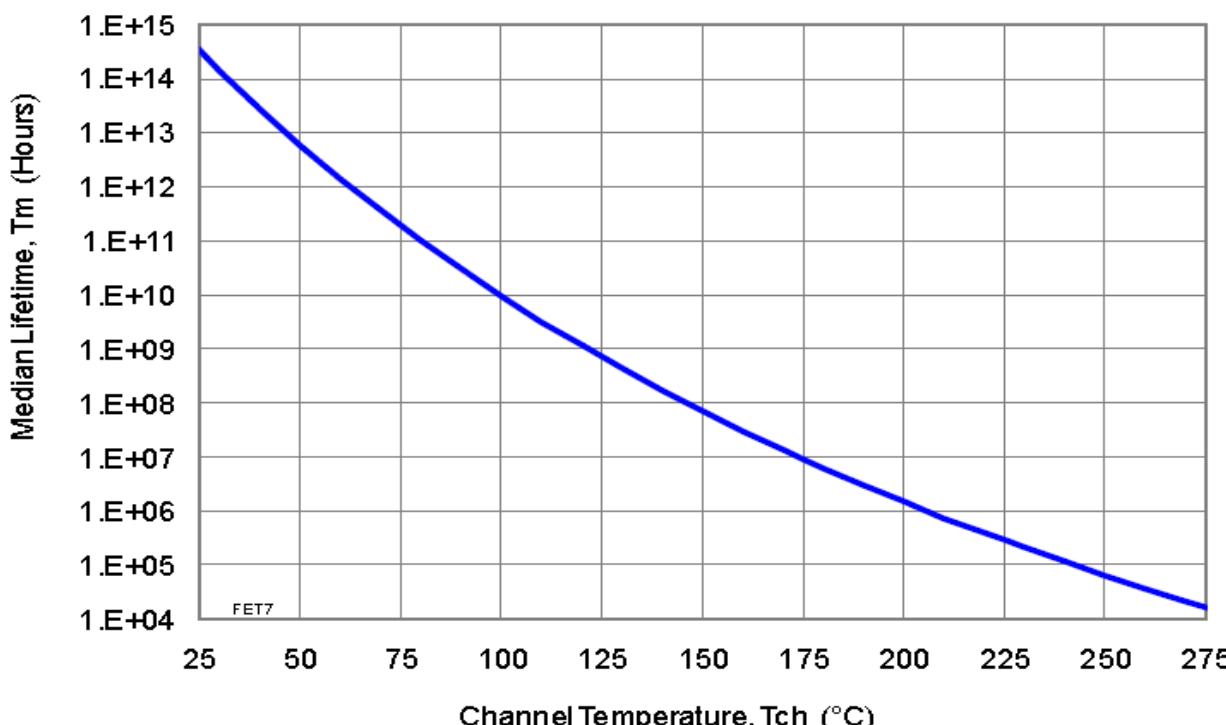
Biassing Up Procedure	
Step 1	-5V
Step 2	+5V
Step 3	TTL
Power OFF Procedure	
Step 1	+5V
Step 2	-5V
Step 3	TTL

Environment specifications	
Operational Temperature (C°)	-45 ~ +85
Storage Temperature (C°)	-50 ~ +125
Altitude	30,000 ft (Controlled environment)
Vibration	55g rms (15 degree 2KHz)
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc

Ordering Information		
Part No	ECCN	Description
RFSP5TA0612G	EAR99	SP5T 6-12GHz PIN Diode Switch



Median Lifetime (Tm) vs. Channel Temperature (Tch)



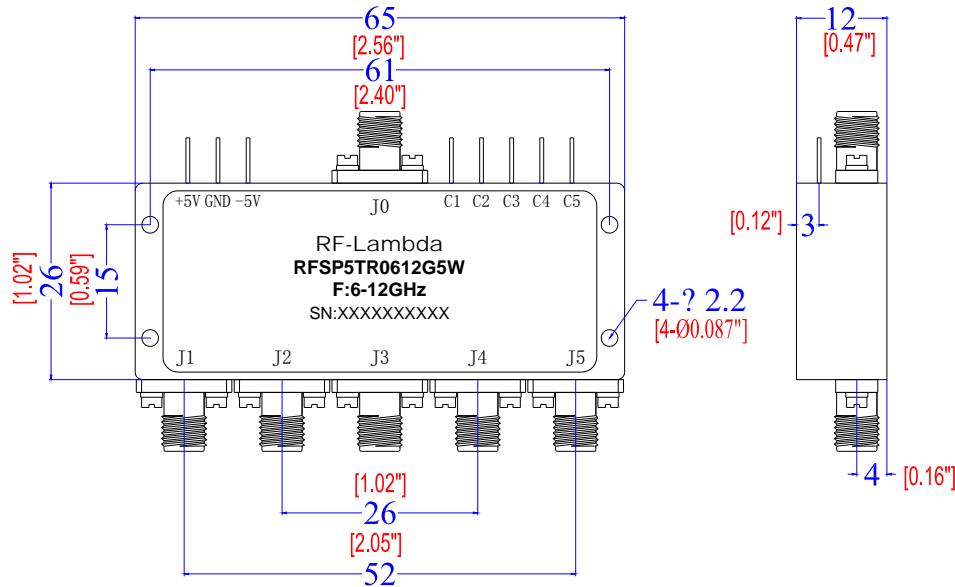
Absorptive Coaxial Single Pole Five Throw Switch 6-12GHz



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The power beyond expectations

RFSP5TA0612G



Absorptive Coaxial Single Pole Five Throw Switch 6-12GHz

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