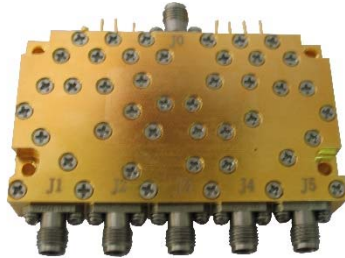




Absorptive 6-12GHz Coaxial SP5T Switch



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

Absorptive Coaxial Single Pole Five Throw Switch 6-12GHz

Absolute Maximum Ratings	
Biasing	+/-5 V
TTL Control Voltage	+5V/0V
Input RF power	+30dBm
Storage Temperature (C°)	-50 ~ +125

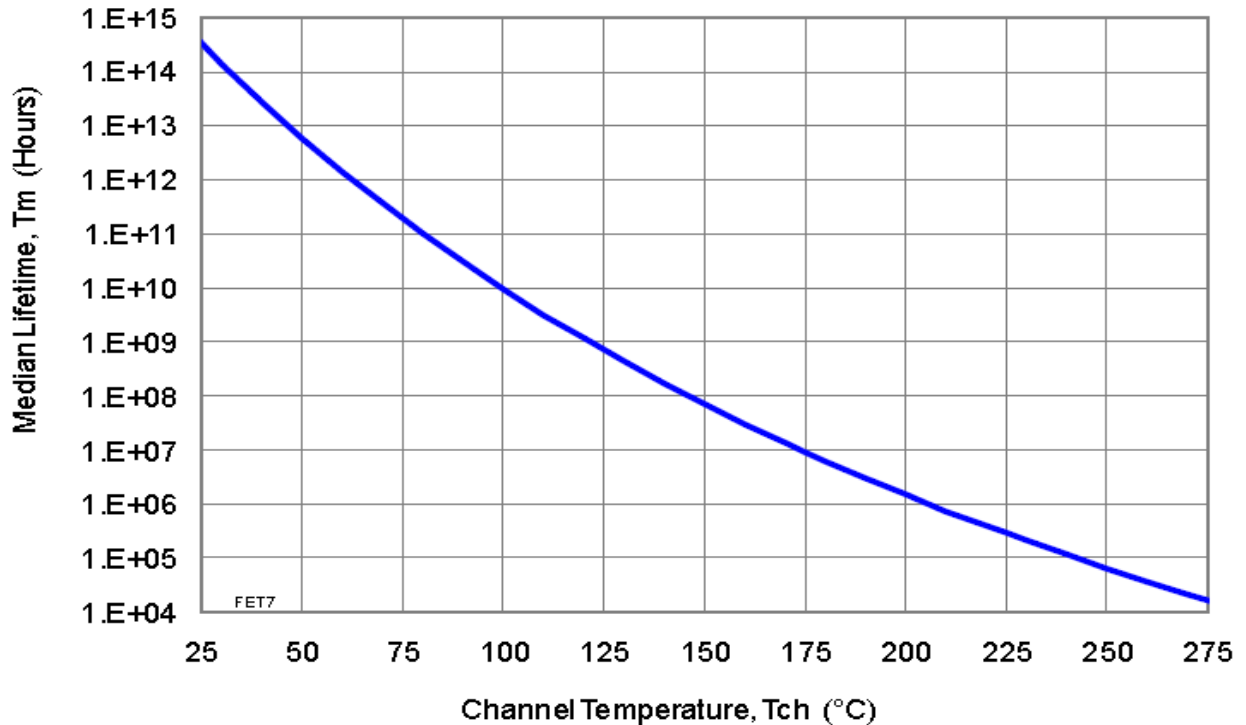
Biasing Up Procedure	
Step 1	-5V
Step 2	+5V
Step 3	TTL
Power OFF Procedure	
Step 1	+5V
Step 2	-5V
Step 3	TTL

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)

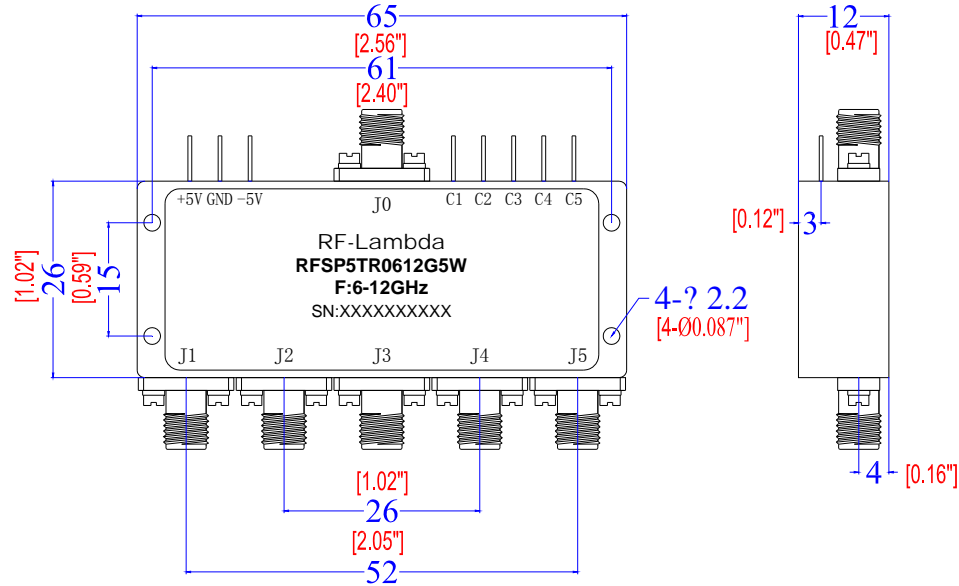




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RFSP5TA0612G



Absorptive Coaxial Single Pole Five Throw Switch 6-12GHz

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