



RF-LAMBDA

The power beyond expectations

RFSP2TR0204GH

50W High Power 2-4GHz Coaxial SP2T Switch



Features

- Wide Band Operation 2-4GHz
- High Power Handle Capability up to 50W 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	Reflective type		
	PN: RFSP2TR0204GH		
	Low	Med	High
Frequency Range(GHz)	2	3	4
Insertion Loss(dB)	1dB typ	1.2dB typ.	1.5dB typ.
VSWR	1.5	1.4	1.5
Isolation(dB)	55	55	50
Switching Speed(us)	2	2	2
Average Power (W)	50		
Peak Power (W)	150		
Weight (g)	45		
IIP3 (Input IP3) dBm	40		
Impedance(Ohms)	50Ω		
Power Supply (V)	+28V DC		
Current(mA)	80mA		
Input Connector	SMA-Female (Default)		
Output Connector	SMA-Female (Default)		
Finishing	Gold Plating		
Material	Aluminum		
Seal	Hermetically Sealed		
Control (TTL Driver Included)	TTL Control		
	TTL	Status	
	0	J0-J1	
	1	J0-J2	

Reflective Coaxial Single Pole Double Throw Switch 2-4GHz



Absolute Maximum Ratings	
Biasing	+28 V
TTL Control Voltage	+5V/oV
Storage Temperature (C°)	-50 ~ +125

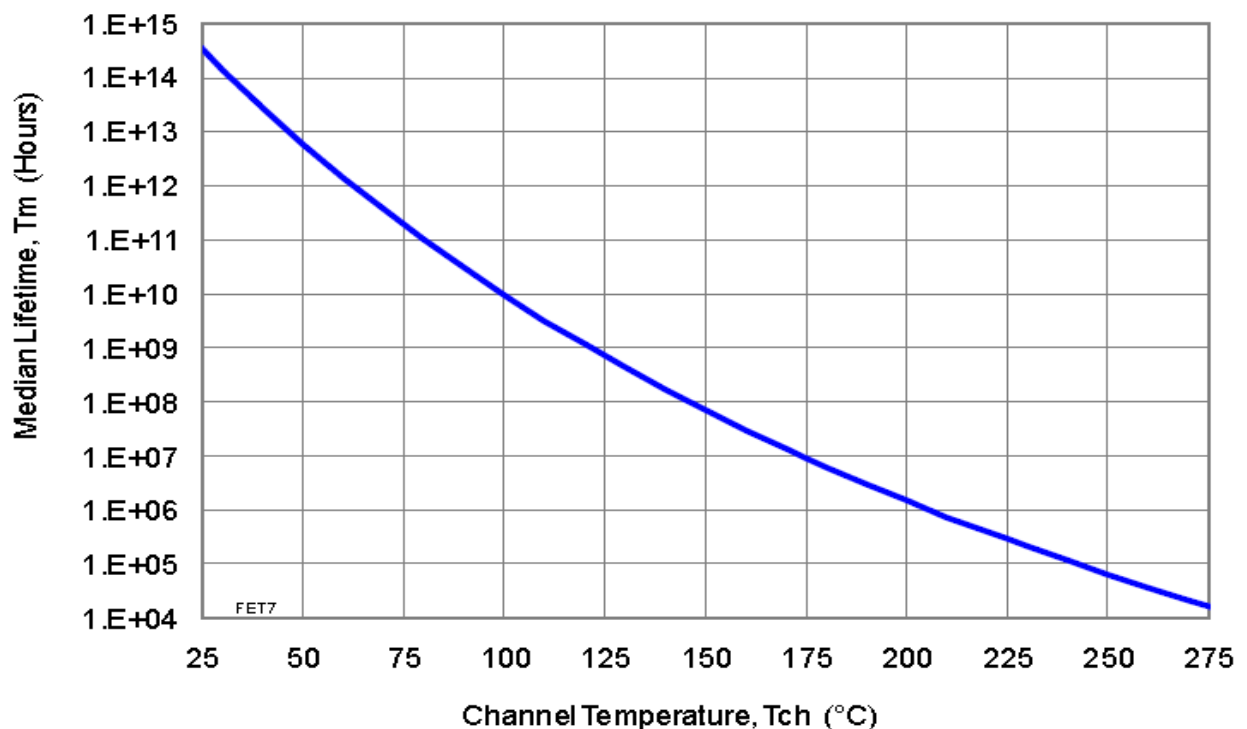
Biasing Up Procedure	
Step 1	+28 V
Step 2	TTL
Power OFF Procedure	
Step 1	TTL
Step 2	+28 V

Environment specifications	
Operational Temperature (C°)	-45 ~ +85
Storage Temperature (C°)	-50 ~ +125
Altitude	30,000 ft (Controlled environment)
Vibration	25g 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
RFSP2TR0204GH	EAR99	SP2T 2-4GHz PIN Diode Switch



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





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