



RF-LAMBDA

The power beyond expectations

RFSP3TR0361G



Reflective 142-580MHz 150W Peak 50W CW Coaxial SPDT

- Wide Band Operation
- High Power Handle 50W CW 150W Peak
- TTL compatible driver include
- Fast Switching Speed 2us
- Low Insertion Loss and High Isolation
- Temperature Range -40°C~+85°C
- Customization available upon request

Specification	Absorptive type		
	PN: RFSP2TA0102G		
	Low	Med	High
Frequency (MHz)	180	360	540
Insertion Loss(dB)	0.2dB	0.3dB	0.3dB
VSWR	2.0	1.2	2.0
Isolation(dB)	70	70	70
Switching Speed(us)	2us	2us	2us
Average Power (W)			50
Peak Power (W)			150W 5% 1us
Weight (g)	75		
IIP3 (Input IP3) dBm	N/A		
Impedance(Ohms)	50Ω		
Power Supply (V)	+28V DC +5VDC		
Current(mA)	<100mA		
Input Connector	N-Female (Standard)		
Output Connector	N-Female (Standard)		
Finishing	Nickel Plating		
Material	Aluminum		
Seal	Hermetically Sealed		
Control (TTL Driver Included)	TTL Control (Voltage > 2.7v Treat as logic 1)		
	C1 C2 C3	Status	
	C1=1	J0-J1	
	C2=1	J0-J2	
	C3=1	J0-J3	

150W Peak 50W CW Reflective Coaxial Single Pole Double Throw Switch 180-540MHz



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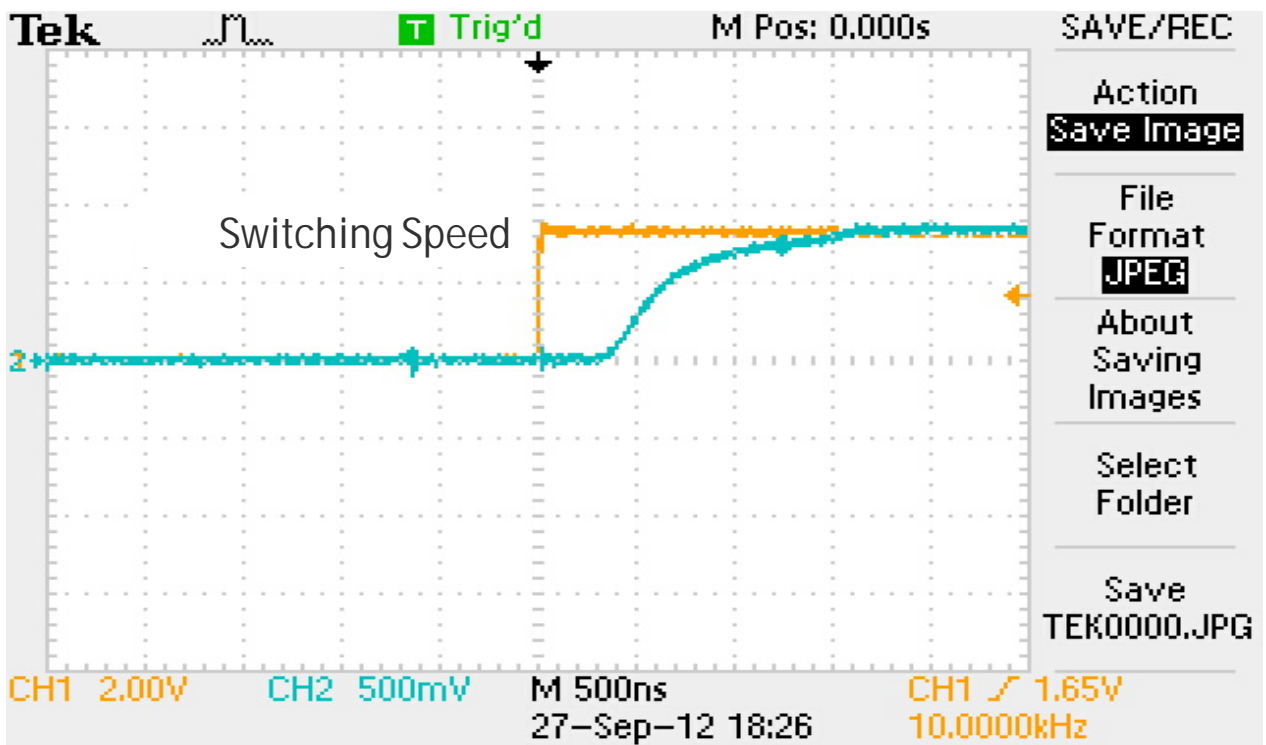
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Absolute Maximum Ratings	
Biasing	+30 V
TTL Control Voltage	+5.5V/0V
Input RF power	55W
Storage Temperature (C°)	-50 ~ +125

Biasing Up Procedure	
Step 1	Connect Ground
Step 2	+28V +5V
Step 3	TTL
Power OFF Procedure	
Step 1	+28V +5V
Step 2	TTL remove
Step 3	Ground

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
RFSP3TR0361G	EAR99	SP2T 180-540MHz PIN Diode Switch



150W Peak 50W CW Reflective Coaxial Single Pole Double Throw Switch 180-540MHz

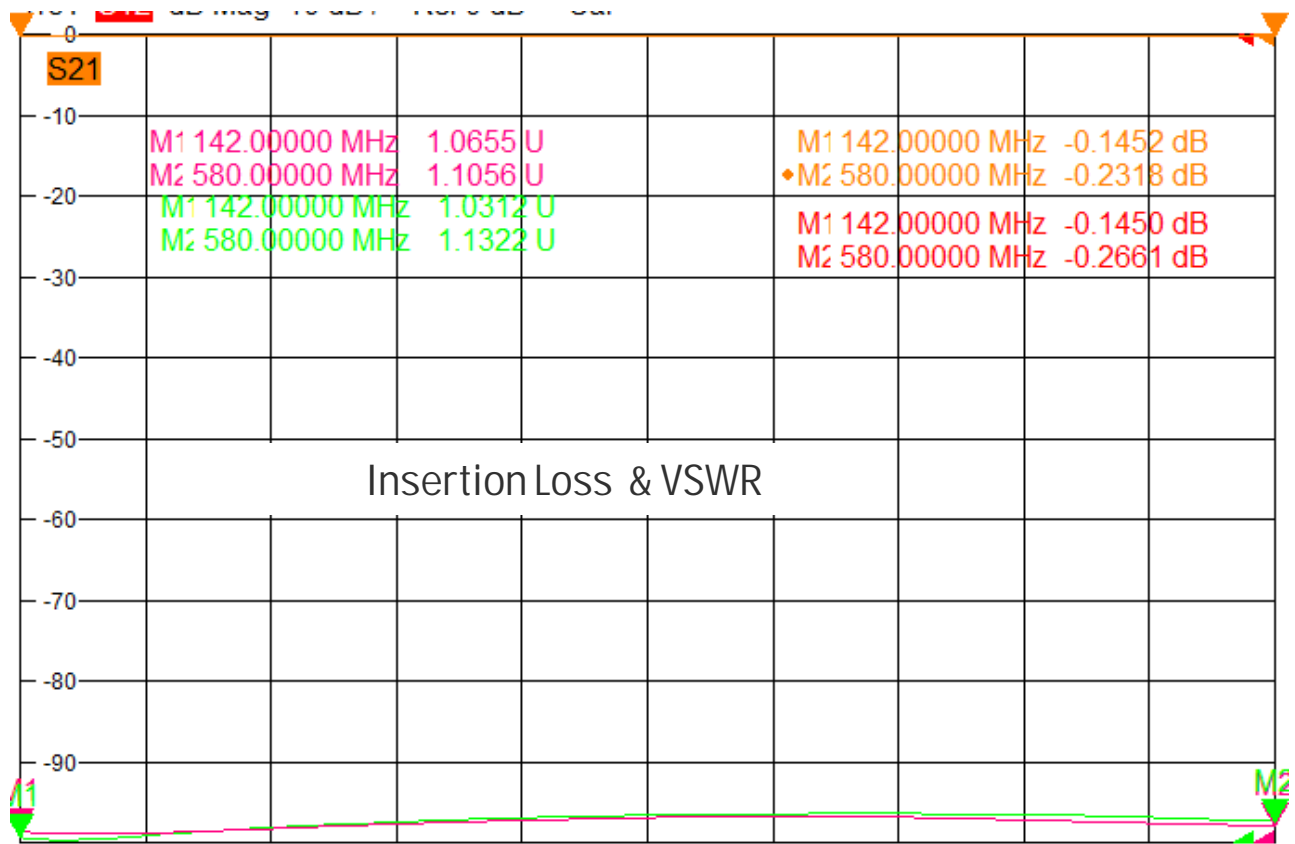


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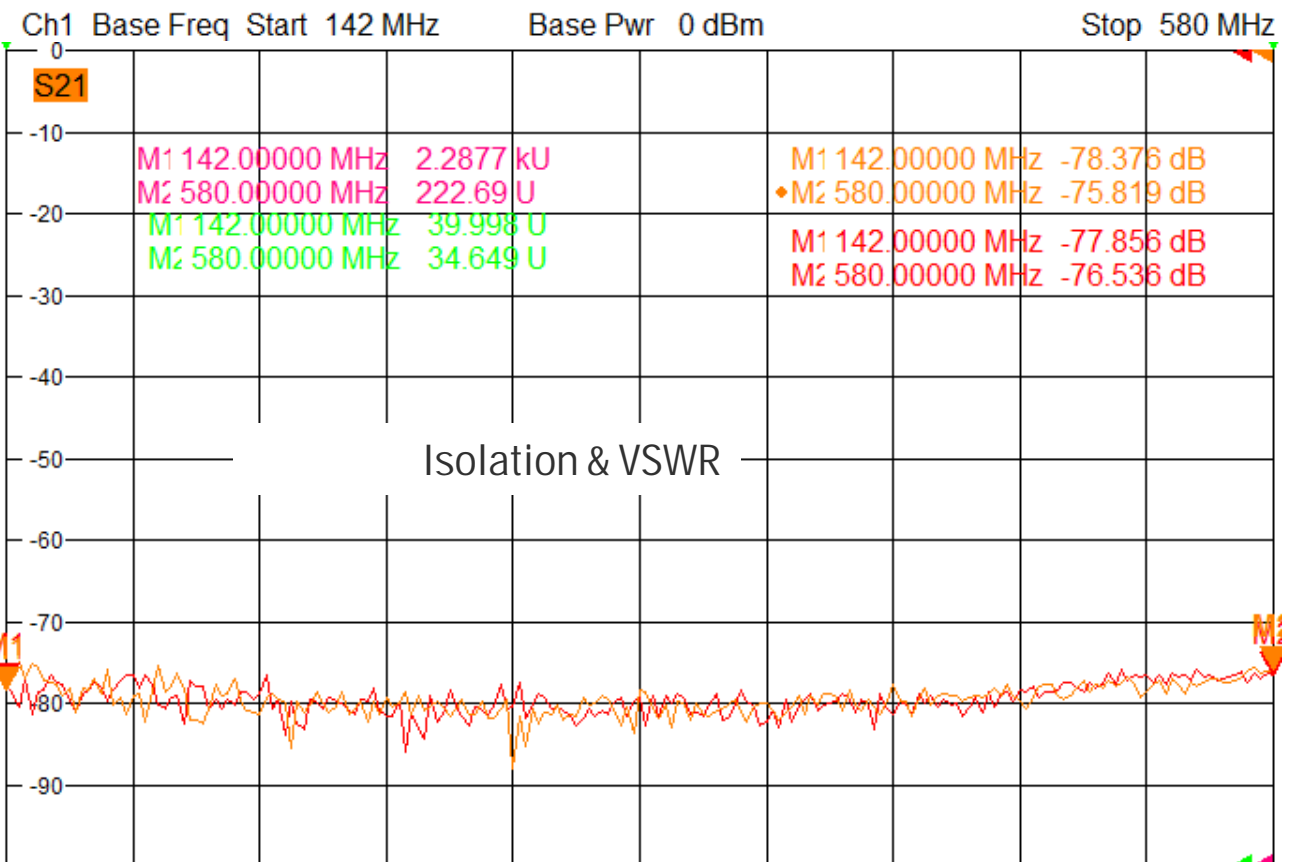
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150W Peak 50W CW Reflective Coaxial Single Pole Double Throw Switch 180-540MHz



Insertion Loss & VSWR



Isolation & VSWR

Ch1 Base Freq Start 142 MHz Base Pwr 0 dBm Stop 580 MHz

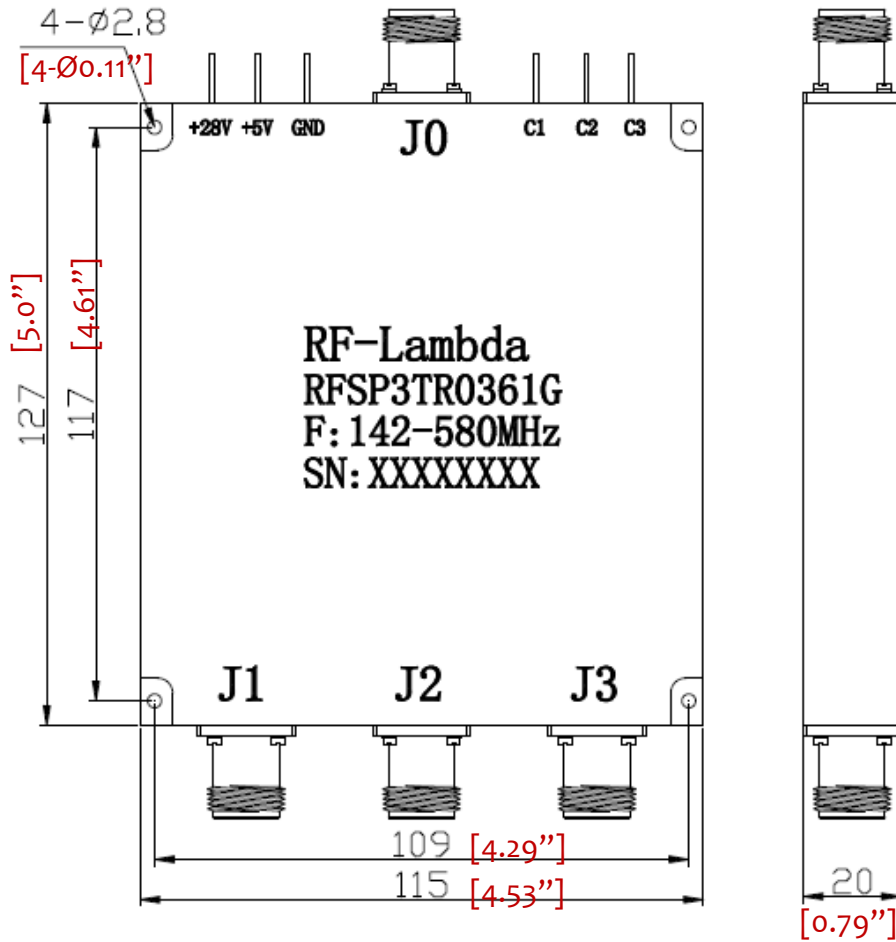
Ch1 Base Freq Start 142 MHz Base Pwr 0 dBm Stop 580 MHz



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RFSP2TR0204GH



150W Peak 50W CW Reflective Coaxial Single Pole Double Throw Switch 2-4GHz

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