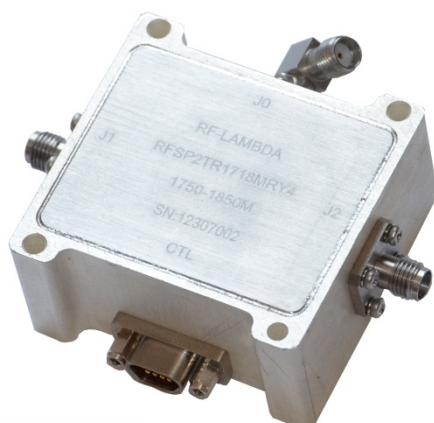




RF-LAMBDA

The power beyond expectations

RFSP2TR0818GH



150W Peak Power 9W CW
Reflective 8-18GHz SP2T

Wide Band Operation
High Power Handle 9W CW 150W Peak
TTL compatible driver include
Fast Switching Speed 1us
Low Insertion Loss and High Isolation
Temperature Range -40°C~+85°C
Customization available upon request

Specification	Reflective type		
	PN: RFSP2TR0818GH		
	Low	Med	High
Frequency Range(GHz)	8	12	18
Insertion Loss(dB)	2.8	3.0	3.5
VSWR	1.5	1.8	2.0
Isolation(dB)	50	50	50
Switching Speed(us)	1	1	1
Average Power (W)			9
Peak Power (W)			150W 5% 1us
Weight (g)	75		
IIP3 (Input IP3) dBm	N/A		
Impedance(Ohms)	50Ω		
Power Supply (V)	+5V DC		
Current(mA)	<100mA		
RF Connector	SMA-Female (Standard)		
Control Connector	Solder PINs		
Finishing	Gold Plating		
Material	Aluminum		
Seal	Hermetically Sealed		
Control (TTL Driver Included)	TTL Control (Voltage > 2.7v Treat as logic 1)		
	TTL	Status	
	0	Jo-J1	
	1	Jo-J2	

150W Peak Power 9W CW Reflective 8-18GHz SP2T



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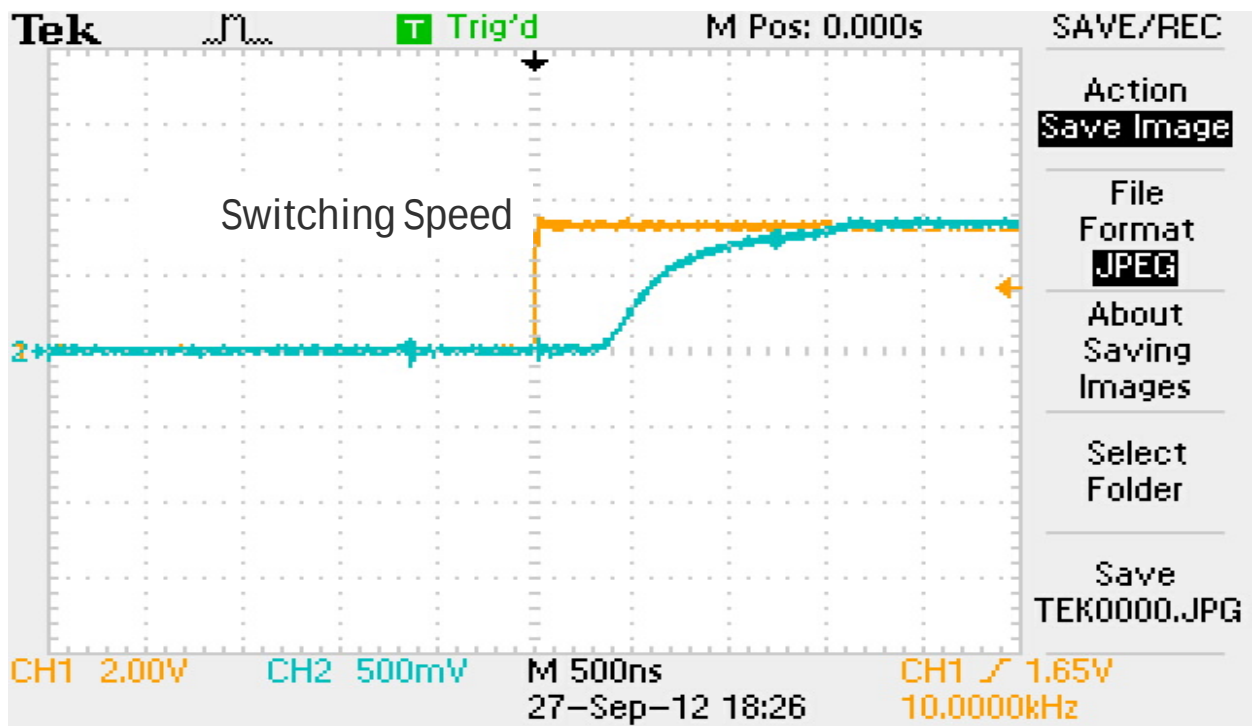
RFSP2TR0818GH

Absolute Maximum Ratings	
Biasing	+5.5 V
TTL Control Voltage	+5.5V/0V
Input RF power	10W
Storage Temperature (C°)	-50 ~ +125

Biasing Up Procedure	
Step 1	Connect Ground
Step 2	+5V
Step 3	TTL
Power OFF Procedure	
Step 1	+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
RFSP2TR0818GH	EAR99	SP2T 8-18GHz PIN Diode Switch



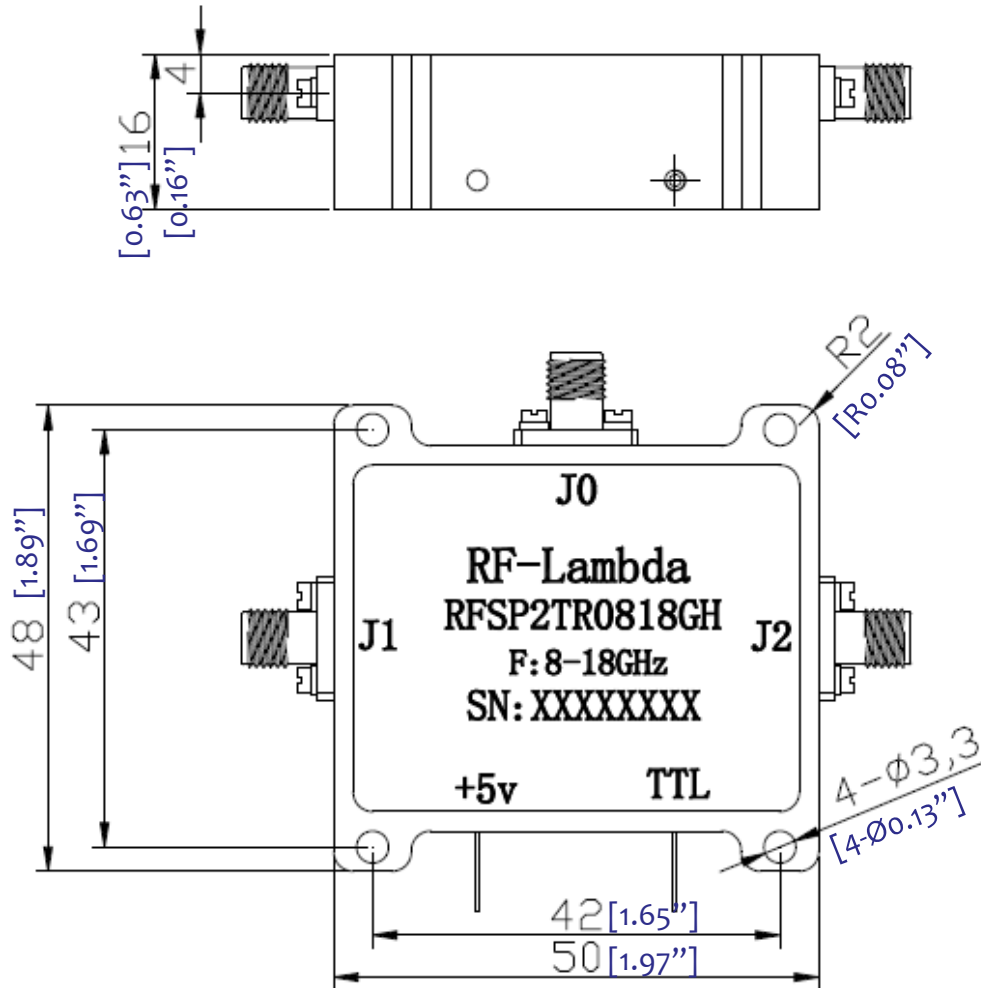
150W Peak Power 9W CW Reflective 8-18GHz SP2T



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RFSP2TR0818GH



150W Peak Power 9W CW Reflective 8-18GHz SP2T

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