

Single 28V Bias, 20~500MHz High Power Switch

RSW002050H50B

Electrical Specification

Parameter	Symbol	Typical	Units
Frequency Bandwidth	B	20~500	MHz
Insertion Loss	IL	0.25, 0.5(max)	dB
Return Loss	RL	-15, -10 (max)	dB
Isolation RFc to R1/R2	ISO	80, 65(min)	dB
Power Handling Capability at 20~25 MHz	Pin	50(max)	W
Power Handling Capability at 26~29 MHz	Pin	70 (max)	W
Power Handling Capability at 30~500 MHz	Pin	100 (max)	W
Switching Time (50 % control to 90 % RF)	tsw	5, 7(max)	usec
MAX PRF of Control	fc	10	kHz
RF Path for Control Low (0~0.8V)		RFc to RF1	
RF Path for Control High (4~5V)		RFc to RF2	
DC Power		28	V
Current Consumption		70, 100(MAX)	mA
DC power and Control Connector type		22-05-7055 MOLEX	
MOLEX Pin Configuration		1:Control (0~5V) 2:GND 3:NC 4:NC 5:VDD(+28V)	
RF Connector Type		f-SMA	
Size (w/o Connector Extension)		76X56X29	mm3
Operating Case Temperature		-20~70	degree C
Storage Temperature		-40~90	degree C

- ※ Control Signal is normally pulled up.
- ※ Maximum source and load VSWR is 2.0 : 1 for maximum handling power .
- ※ Do not use out of band.
- ※ Do not use without proper DC Power.

Specifications subject to change without notice.

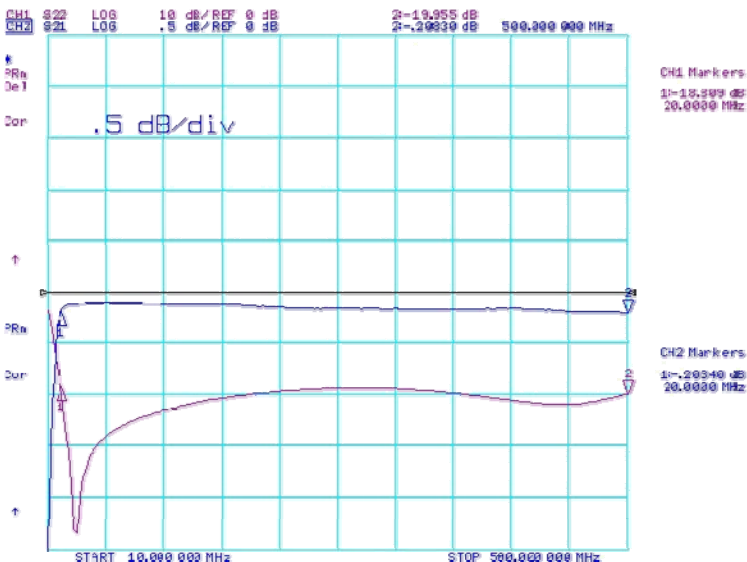
Customer Service: Tel. 82-31-708-7575

Email: kijeon@rfcore.com

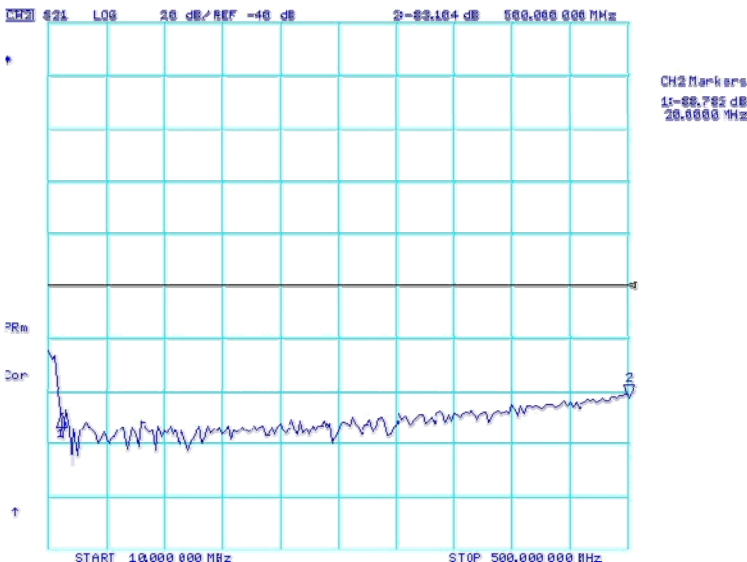
<http://www.rfcore.com>

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Typical Performance Curve



Insertion & Return Loss



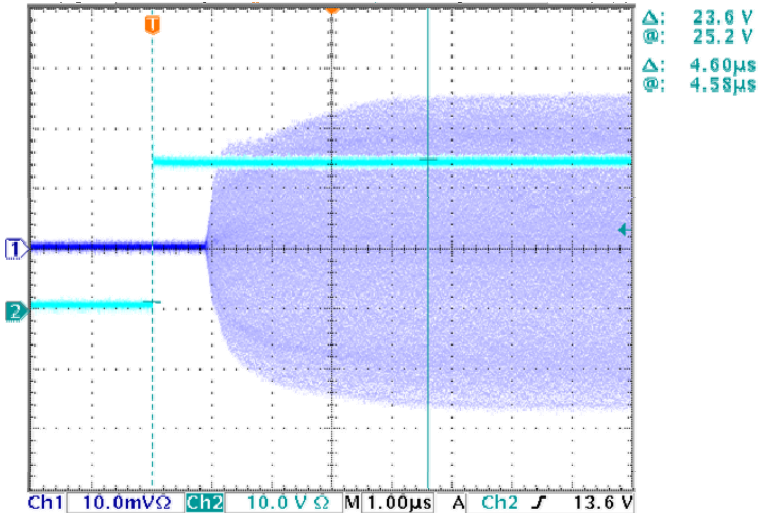
Isolation Between RFc and RF1

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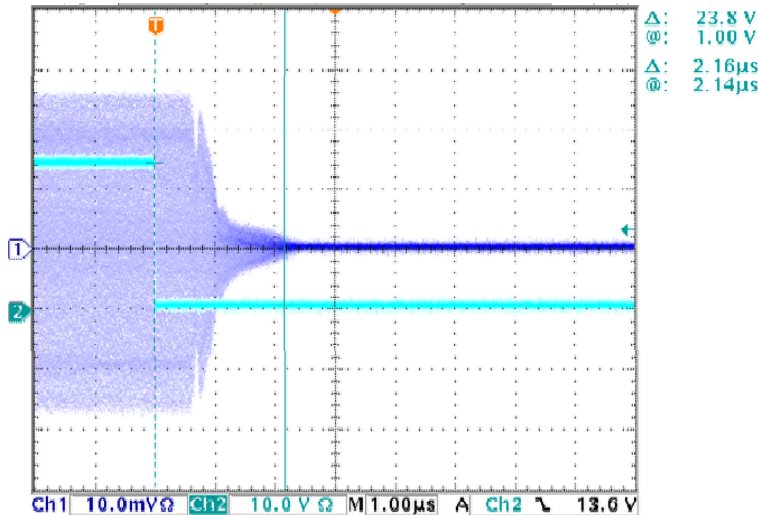


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Typical Performance Curve



Switch On Time



Switch Off Time

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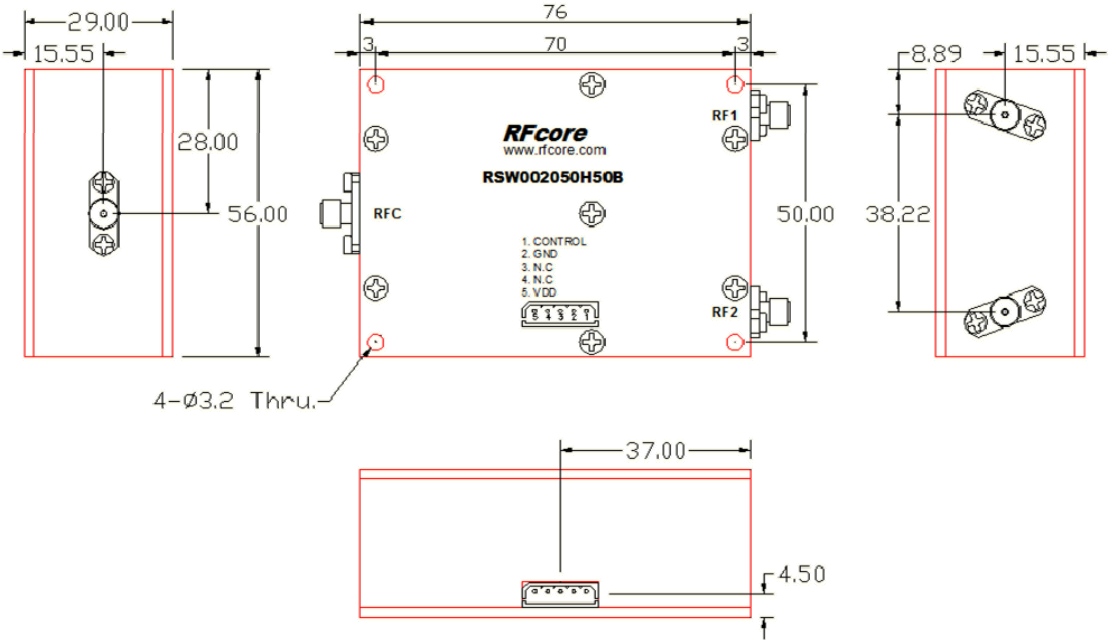
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Mechanical Drawing

RSW002050H50B



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