

Single 28V Bias, 0.5~2.5GHz High Power Switch

RSW0525H47B

Electrical Specification

Parameter	Symbol	Typical	Units
Frequency Bandwidth	B	0.5~2.5	GHz
Insertion Loss	IL	0.5, 1.0(max)	dB
Retrun Loss	RL	-15, -10(max)	dB
Isolation RfC to R1/R2	ISO1	70, 60(min)	dB
Average Power Handling Capability at B	Pin	50(max)	W
Peak Power Handling Capability at B (Maximum RF Signal Pulse Width of 100 usec for Duty of 25 %.)	Pin	100 (max)	W
Switching Time (50 % control to 90 % RF)	tsw	1.0, 5(max)	usec
MAX PRF of Control	fc	1	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		170, 220 (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.

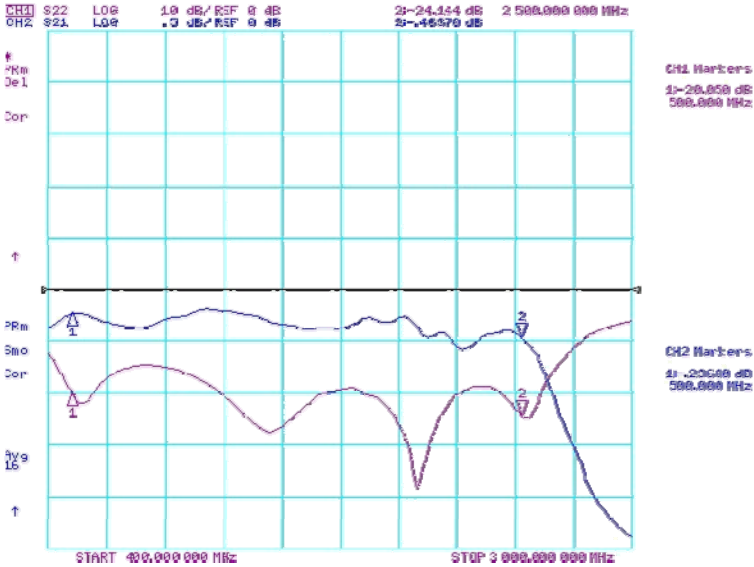
Customer Service: Tel. 82-31-708-7575

Email: kijeon@rfcore.com

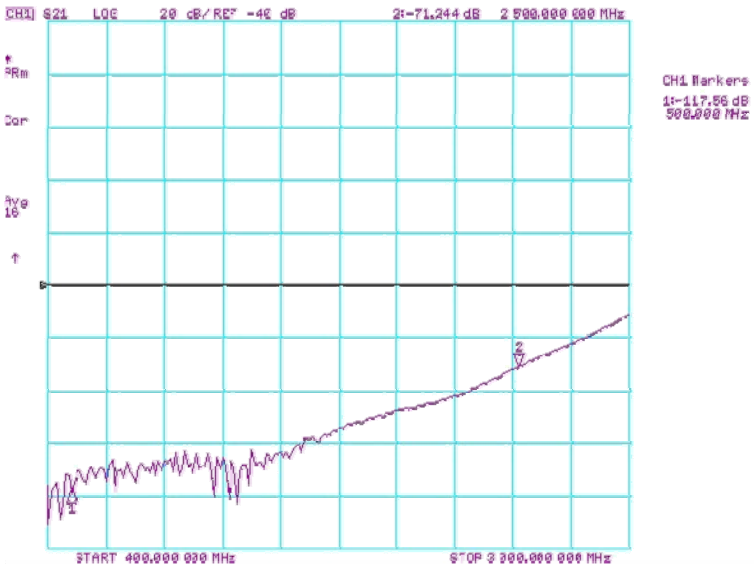
<http://www.rfcore.com>

RSW002050H50B

Typical Performance Curve



Insertion & Return Loss



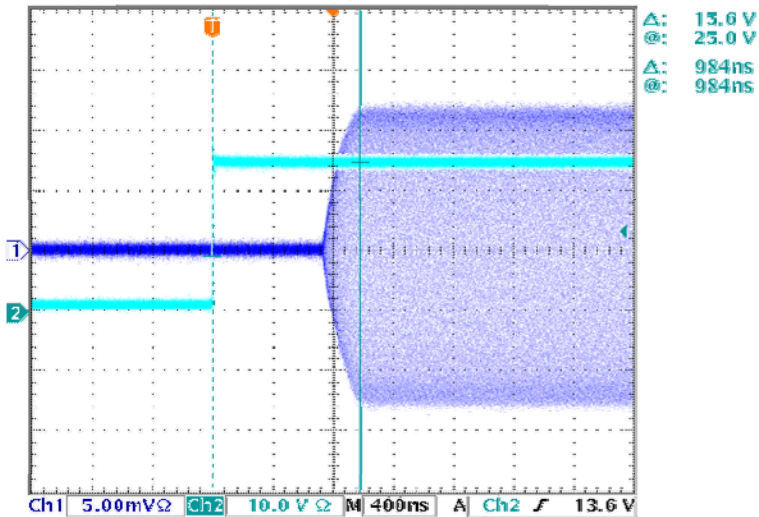
Isolation Between RFc and RF1

Specifications subject to change without notice.
 Customer Service: Tel. 82-31-708-7575
 Email: kijeon@rfcore.com
<http://www.rfcore.com>

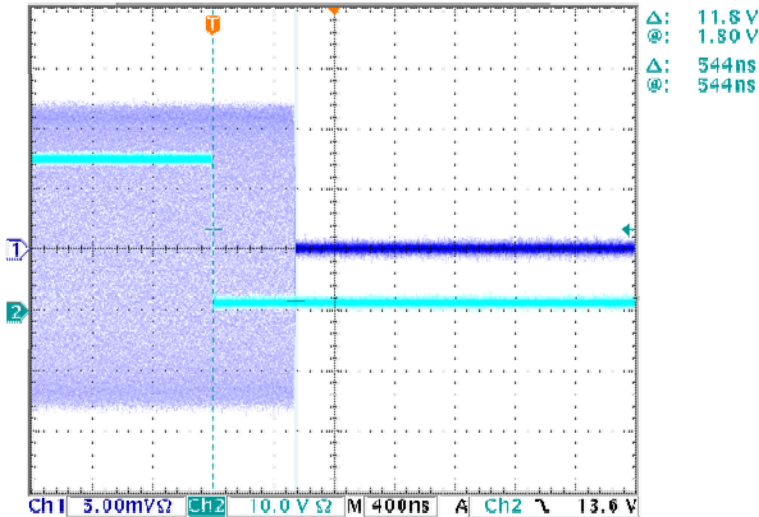


RSW002050H50B

Typical Performance Curve



Switch On Time



Switch Off Time

Specifications subject to change without notice.

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

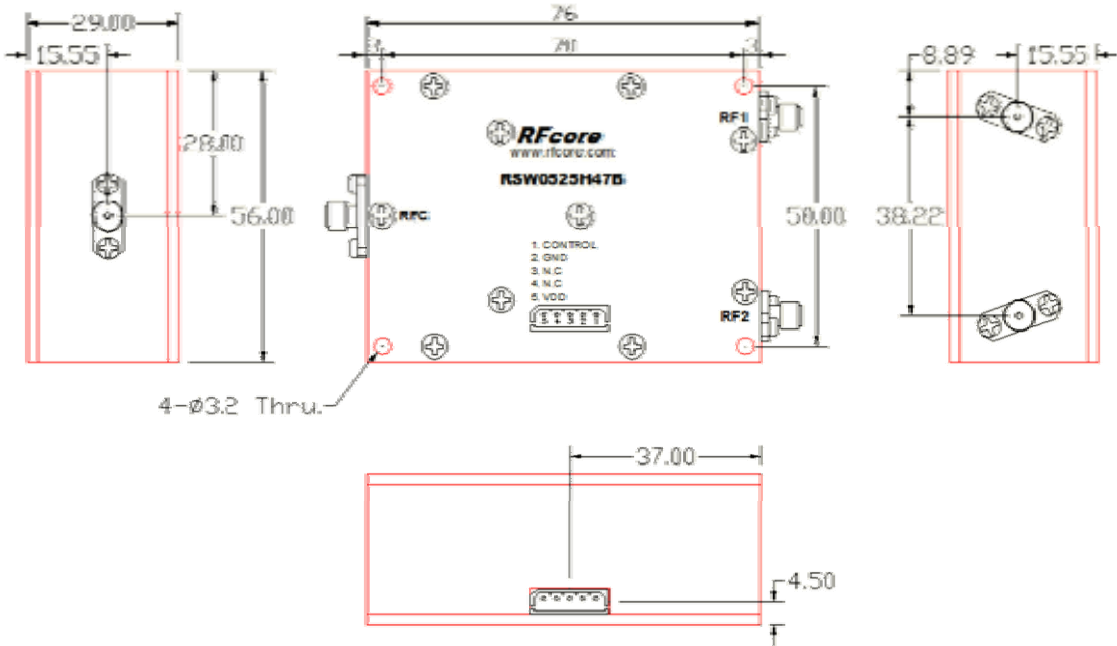
Email: kijeon@rfcore.com

<http://www.rfcore.com>



Mechanical Drawing

RSW0525H47B



Specifications subject to change without notice.

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

Email: kijeon@rfcore.com

<http://www.rfcore.com>

