



SPEC NO.: RFS-065M

Specification

TO:STE1137

Model Name: RF SAW FILTER

PART NO: SSF866.50W01S3030

CUSTOMER PART NO.:

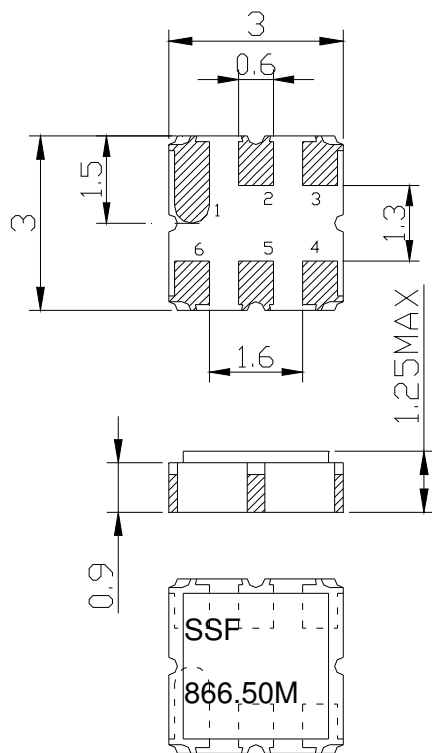
STRONG ELECTRONICS&TECHNOLOGY LIMITED

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Email:info@strongelectronics.net

www.sawfilter.cn

1. Package Dimensions
 (Unit:3.00x3.00x1.25mm³)



Pin Configuration

Pin No.	Description
2	Input
5	Output
1,3,4,6	Ground

Marking Description

S	Trademark-STRONG
SF	SAW Filter
866.50	Part Number
•	Pin 1
YYWW	Year Code & Week Code

2. Performance

Maximum Rating

Item		Value	Unit
DC Voltage	V_{DC}	5	V
Operation Temperature	T	-40 ~ +85	□
Storage Temperature	T_{stg}	-40 ~ +125	□
RF Power Dissipation	P	10	dBm

Electronic Characteristics

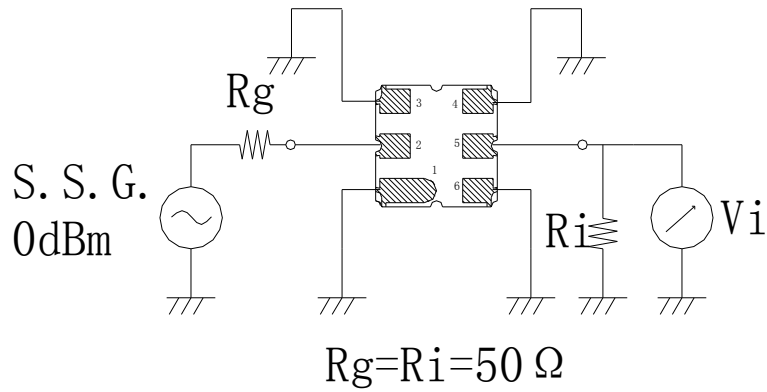
Test Temperature: 25 ± 2

Terminating source impedance: 50Ω

Terminating load impedance: 50Ω

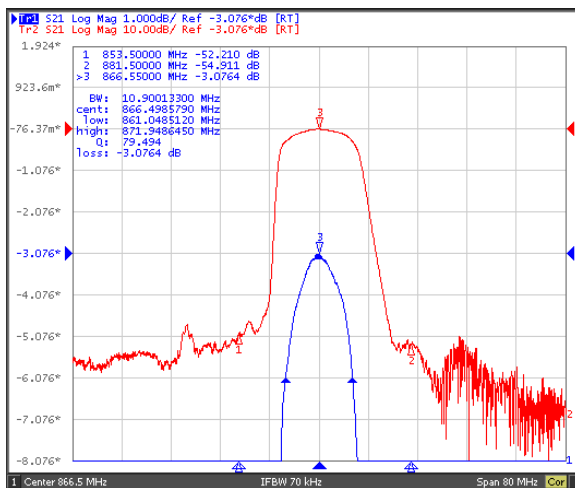
Item		Minimum	Typical	Maximum	Unit
Center Frequency	f_c		866.50		MHz
Insertion Loss(min)	IL		2.7	3.5	dB
Amplitude Ripple (p-p)	$\Delta\alpha$		0.3	1.0	dB
3 dB Bandwidth	BW_{3dB}	7.0	10.5		MHz
Group Delay Ripple 863.00 - 870.00 MHz	GDR		30.0	100.0	ns
Absolute Attenuation	α				
DC - 800.00 MHz		50.0	55.0		dB
800.00 - 853.50 MHz		40.0	45.0		dB
881.50 - 1200.00 MHz		50.0	55.0		dB
1200.00 - 2000.00 MHz		40.0	45.0		dB
Input VSWR 863.00 - 870.00 MHz			1.5:1	2.0:1	/
Output VSWR 863.00 - 870.00 MHz			1.5:1	2.0:1	/

3 Test Circuit (Bottom View)

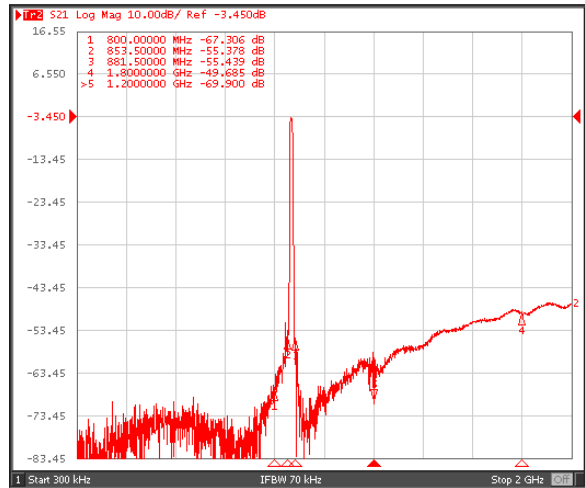


Frequency Characteristics

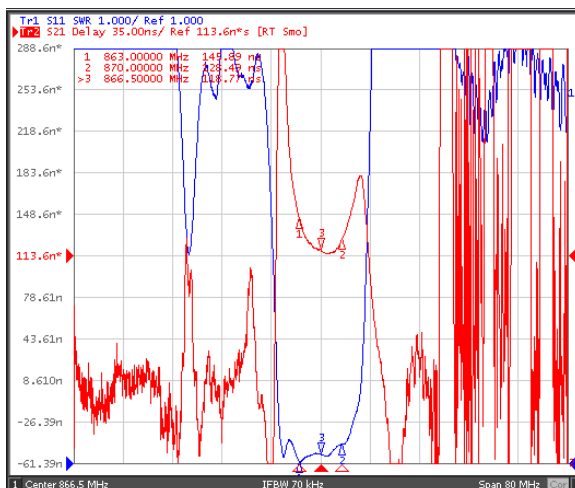
Frequency Response



Frequency Response (wideband)



Delay Ripple & S11 VSWR



Phase Linearity & S22 VSWR

