



SPEC NO.: RFS-012M

Specification

TO:STE620

Model Name: RF SAW FILTER

PART NO: SSF869W03S3030

CUSTOMER PART NO.:B3725

STRONG ELECTRONICS&TECHNOLOGY LIMITED

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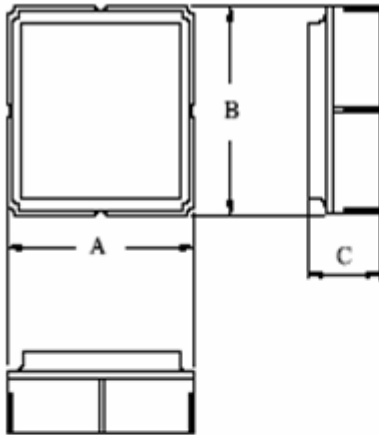
Email:info@strongelectronics.net

www.sawfilter.cn

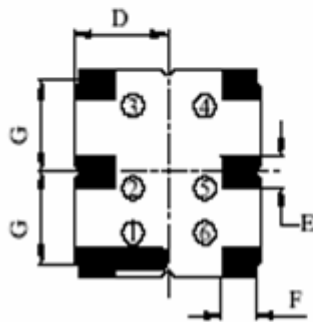
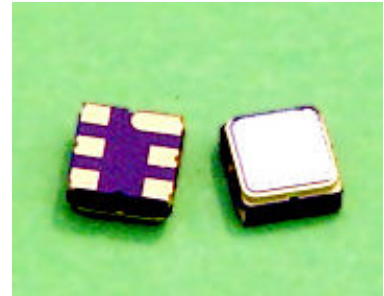
1. Package Dimension

(S3030)

Unit: mm



DIM	MILLIMETERS
A	3.0±0.1
B	3.0±0.1
C	1.15±0.12
D	1.50 TYP.
E	0.60 TYP.
F	0.85 TYP.
G	1.20 TYP.



PIN NO	FUNCTION
① ③ ② ⑥	GROUND
④	SIGNAL
⑤	SIGNAL

2. Marking

SSF
869W03
• G6

- (1) Marking
- (2) 869W03: Model code
- (3) • : Pin 1 Identifier
- (4) G6: Date code

3. Performance

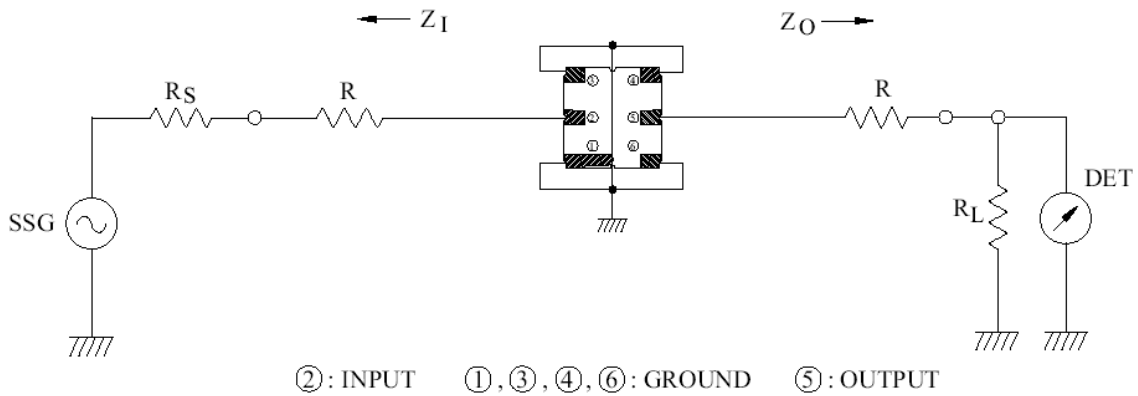
3.1 Maximum Rating

Item	Value
Operation Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +85°C
DC Permissive Voltage	10V DC max.
Maximum Input Power	27 dBm

3.2 Electronic Characteristics

Items	Test Condition	Min.	Typ.	Max.	Unit
Center Frequency	-	-	869	-	MHz
Insertion Loss	868.0~870.0MHz	-	2.5	4.0	dB
Ripple	868.0~870.0MHz	-	0.3	1.3	dB
Attenuation	DC ~ 300MHz	45	52	-	dB
	300~830MHz	40	44	-	dB
	830~853MHz	38	41		
	879~883MHz	20	31		
	883~945MHz	40	48		
	945~2000MHz	40	55		
VSWR	869~870MHz		1.6	2.5	-
Input/Output Impedance	-	-	50	-	Ω

3.3 Test Circuit

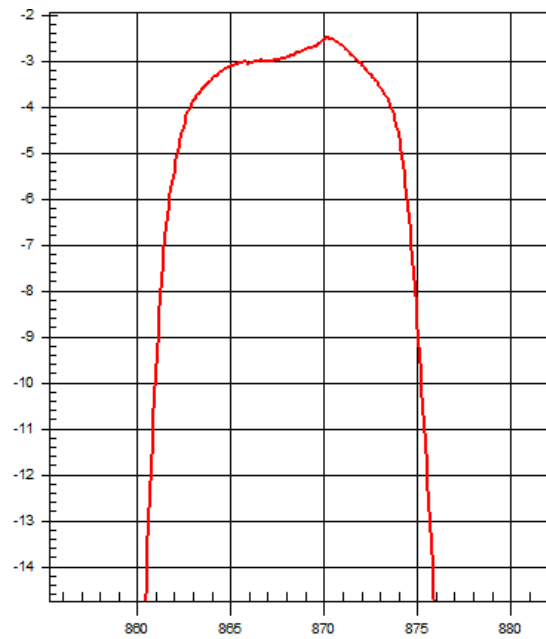
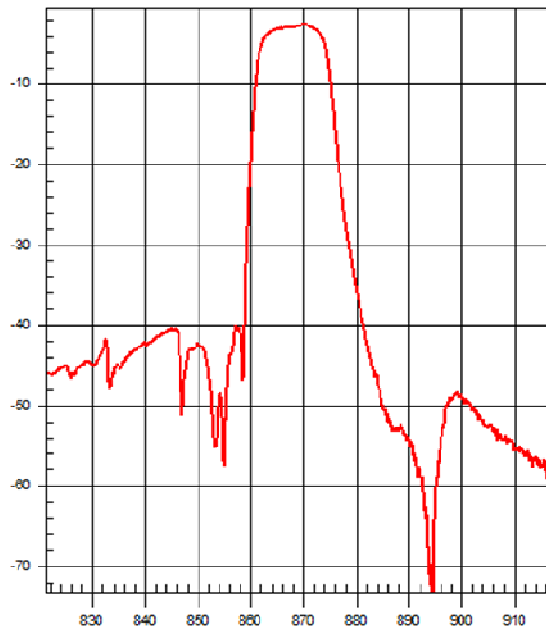


$R_S, R_L : 50 \Omega$ (Internal Impedance of Source and Load)

$R : 0 \Omega$

$Z_I(Z_O) = R_S(R_L) + R$

3.3 Frequency Characteristics



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