



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	836.5	-
Bandwidth	MHz	Fo ± 12.5	-	-
Insertion Loss at Fo ± 12.5 MHz	dB	-	1.76	3.0
Ripple Level at Fo ± 12.5 MHz	dB	-	0.77	1.5
VSWR at Fo ± 12.5 MHz	-	-	2.0	2.2
<b>Attenuation:</b>				
DC ~ 880 MHz	dB	45	51	-
869 ~ 894 MHz	dB	25	29	-
894 ~ 1049 MHz	dB	35	40	-
1049 ~ 1200 MHz	dB	48	53	-
1200 ~ 2000 MHz	dB	35	39	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Source Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-
Load Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-

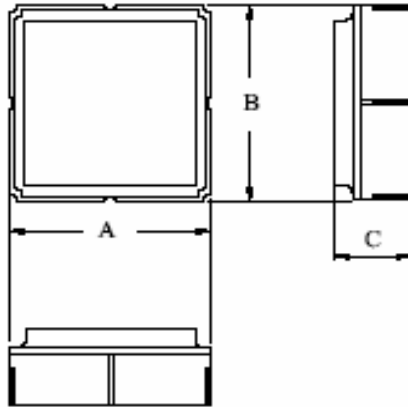


# 836.5 MHz Saw Filter

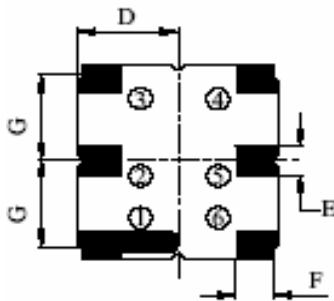
## Part Number: AM836S929



### Outline Drawing:

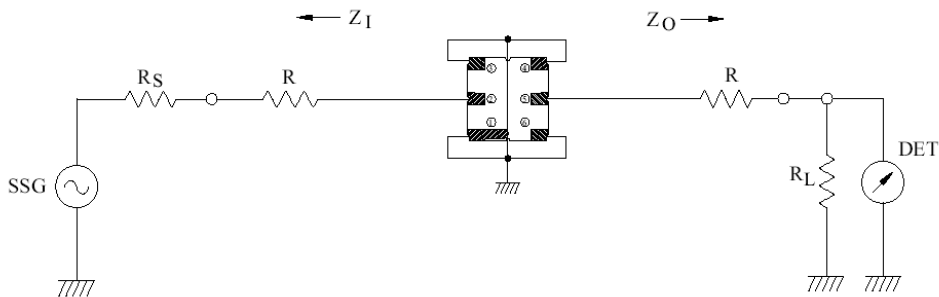


DIM	MILLIMETERS
A	3.0±0.1
B	3.0±0.1
C	1.15±0.12
D	1.50 TYP.
E	0.60 TYP.
F	0.85 TYP.
G	1.20 TYP.



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

### Matching Configuration:



②: INPUT    ①, ③, ④, ⑥: GROUND    ⑤: OUTPUT

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

$R : 0 \Omega$

$Z_i(Z_o) = R_S(R_L) + R$



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### Response Plot:

