

# SMD 836.5MHz SAW FILTER

AFS836.5W01-TS4

\*RoHS COMPLIANT



3.0 x 3.0 x 1.5mm

## STANDARD SPECIFICATIONS:

CHARACTERISTICS	UNIT	MIN.	TYP.	MAX.
Center Frequency Fc @ 25°C	MHz	-	836.5	-
3dB Pass Band Width	dB	-	25	-
Insertion Loss @ 869 MHz ~ 894 MHz	dB	-	-	2.5
Passband Ripple @ 869 MHz ~ 894 MHz	dB	-	-	1.5
Return Loss @ 869 MHz ~ 894 MHz	dB	10.0	-	
Attenuation				-
DC ~ 800 MHz	dB	20	-	-
869 ~ 894 MHz	dB	30	-	-
978 ~ 1006 MHz	dB	25	-	-
1050 ~ 2600 MHz	dB	20	-	-
DC Voltage	V	±10		
RF Power Dissipation	dBm	23		
Operating Temperature	°C	-30°C to +80°C		
Storage Temperature	°C	-40°C to +85°C		

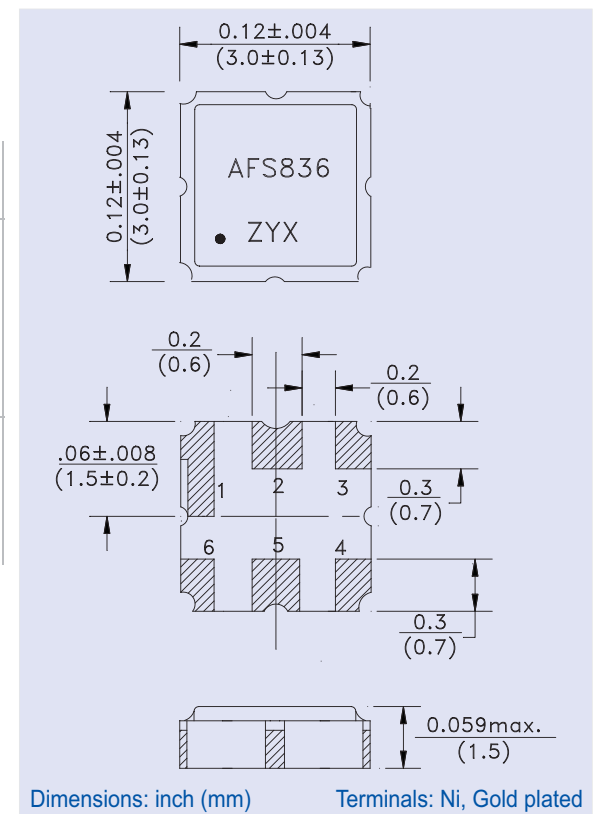
Electrostatic Sensitive Device. Handle with precaution.

## MARKING:

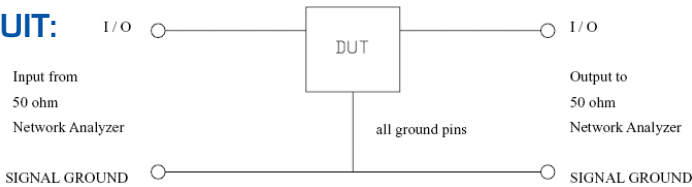
- AFS836 (836: Filter 836.5MHz)
- ZYX (Z: month from A to L  
Y: Year, i.e. 4 for 2004  
X: Traceability code)

PIN NO.	CONNECTIONS
1	Ground
2	Input
3	Ground
4	Ground
5	Output
6	Ground

## OUTLINE DRAWING:



## TEST CIRCUIT:



## FREQUENCY RESPONSE:

