

# Shoulder 好达

SHOULDER ELECTRONICS CO., LTD.

## SAW Components Data Sheet

PRODUCT 产品: SAW FILTER

MODEL NO 型号: HDF137T F11

PREPARED 编制:

CHECKED 审核:

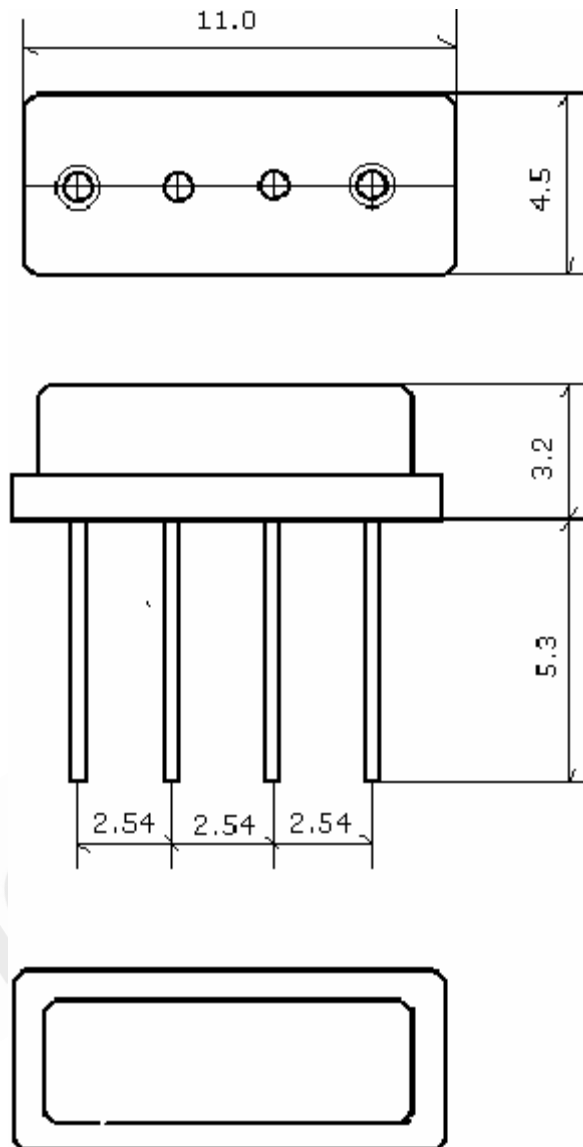
APPROVED 批准:

DATE 日期: 2007-01-25

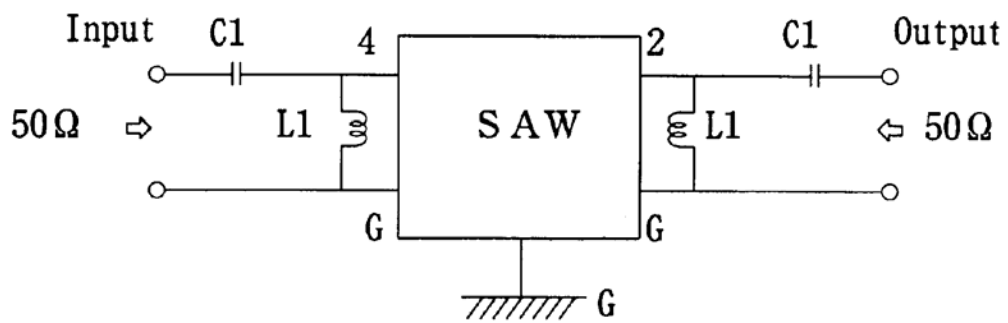
## 1.SCOPE

This specification shall cover the characteristics of SAW filter F137T

## 2. DIMENSION



### 3. TEST CIRCUIT



$C1 = 3\text{pF}$   
 $L1 = 180 \sim 220\text{nH}$

### 4. Electrical characteristics

Item		Typ.value	Tolerance/Limit
Insertion Loss(reference level)	$Ae=amin$	13.0 dB	15.0 dB
Reference frequency	$Fc(30\text{dB-BW})$	137.5 MHz	$\pm 150$ kHz
Pass band shape(3 dB-BW)		$\pm 576\text{KHz}$	Gaussian
Relative attenuation	$Arel$		
$Fc \pm 2.0\text{MHz}$			$\leq -30\text{dB}$
$Fc \pm 4.0\text{MHz}$			$\leq -45\text{dB}$
$Fc \pm 5.8\text{MHz}$			$\geq -50\text{dB}$
Group delay $fc \pm 576\text{kHz}$	GD		$\pm 100$ ns max
Temperature coefficient Tc 1st order		+1.7 ppm/K	
Tc 2st order		-0.06 ppm/K	
Drive /Load impedance		50 $\Omega$	

## 5. Typical frequency response

