

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:

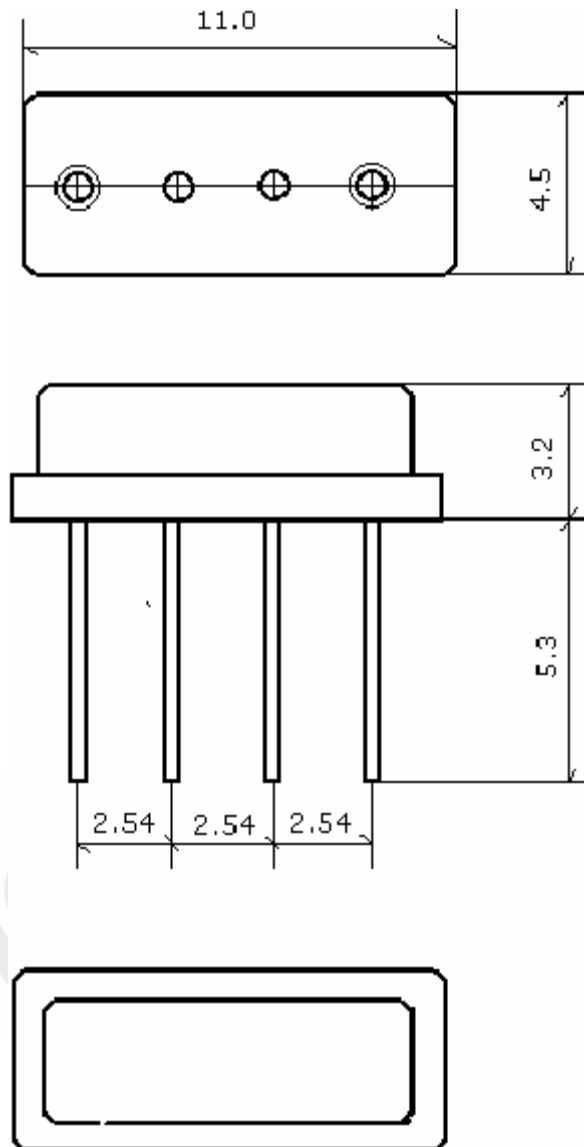
APPROVED 批 准:

DATE 日 期: 2007-01-25

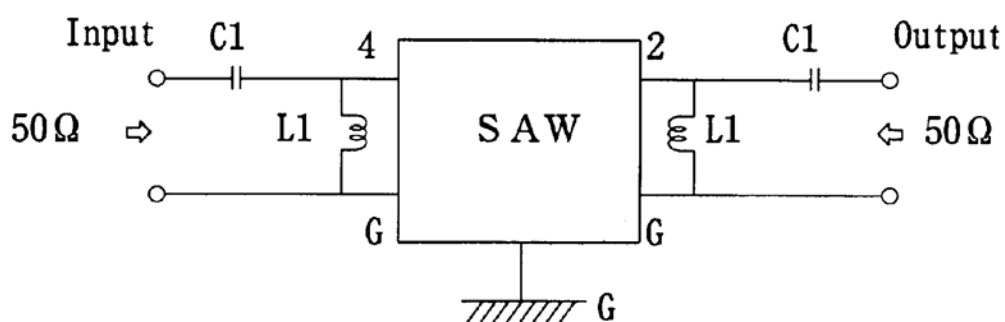
1.SCOPE

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)	$A_e = a_{\min}$	13.0 dB	15.0 dB
Reference frequency	$F_c(30\text{dB-BW})$	137.5 MHz	± 150 kHz
Pass band shape(3 dB-BW)		$\pm 576\text{KHz}$	Gaussian
Relative attenuation	A_{rel}		
$F_c \pm 2.0\text{MHz}$			$\leq -30\text{dB}$
$F_c \pm 4.0\text{MHz}$			$\leq -45\text{dB}$
$F_c \pm 5.8\text{MHz}$			$\geq -50\text{dB}$
Group delay $f_c \pm 576\text{kHz}$	GD		± 100 ns max
Temperature coefficient Tc 1st order		+1.7 ppm/K	
Tc 2st order		-0.06 ppm/K	
Drive /Load impedance		50 Ω	

5. Typical frequency response

