



Microwave Ceramics and Modules

Filter

2 Pole Filter for W-LAN 5GHz / [5.15-5.35] Band

B69842N5257B202

Preliminary Datasheet



Features

- SMD filter consisting of coupled resonators with stepped impedances
- $MgTiO_3 - CaTiO_3$  ( $\epsilon_r = 21 / TC_f = 0 \pm 10$  ppm/K) with a coating of copper ( $10\mu m$ ) and tin ( $>5\mu m$ )
- Excellent reflow solderability, no migration effect due to copper/tin metallization

Index

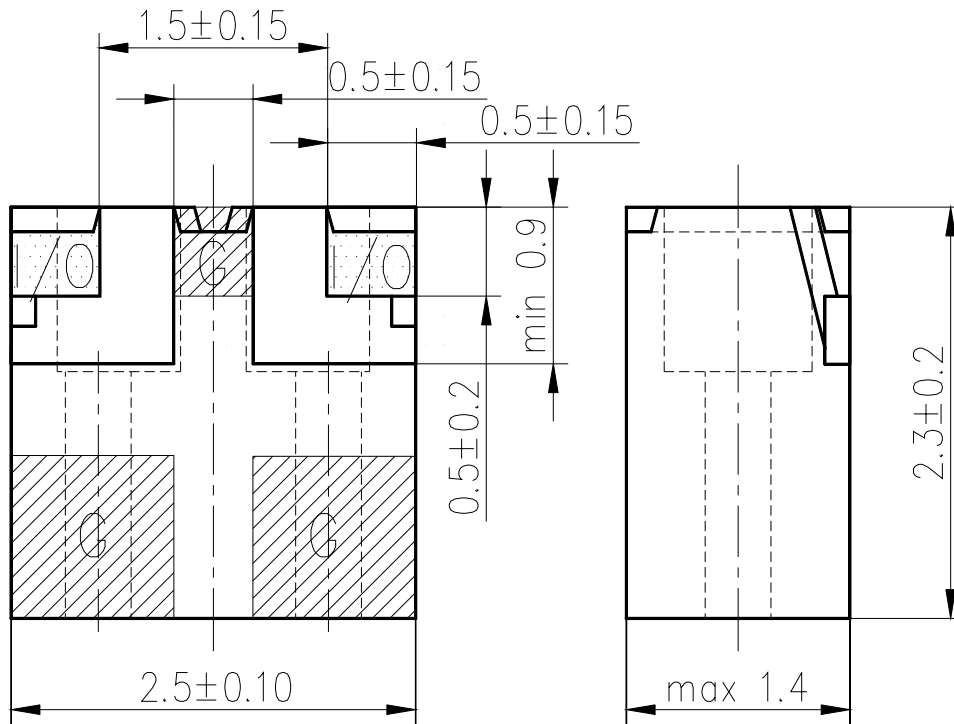
- Page 2
  - Component drawing
  - Recommended footprint
- Page 3
  - Characteristics
  - Maximum ratings
  - Typical passband characteristic
- Page 4
  - Processing information
  - Soldering requirements
  - Delivery mode





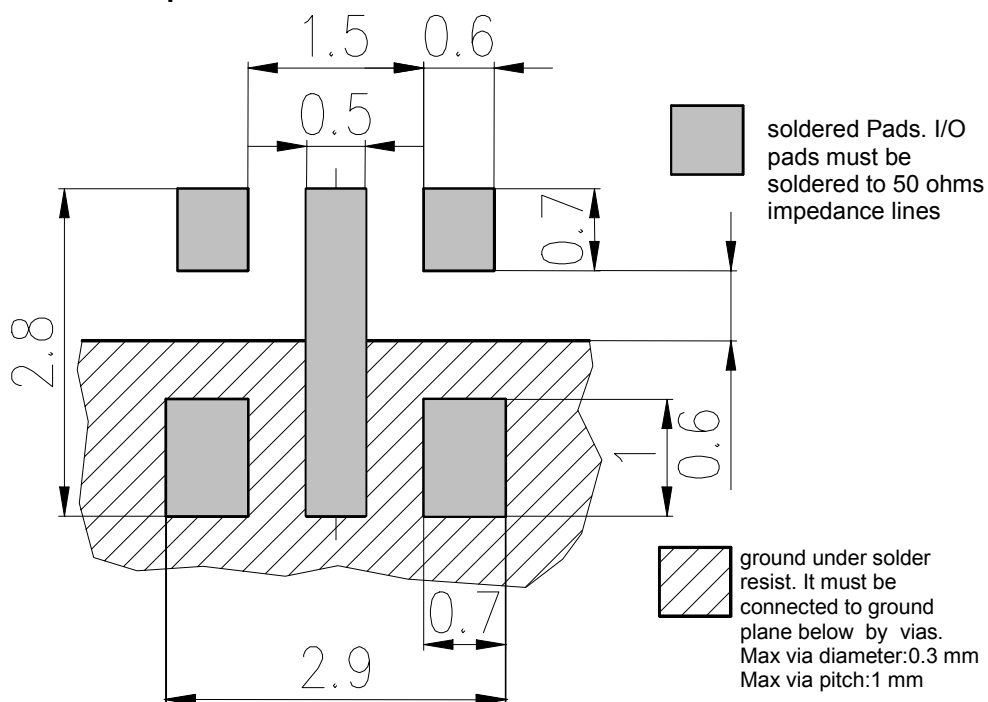
Preliminary Datasheet

Component drawing



S21142\_010802.DWG

Recommended footprint



FOOTPRINT\_310702.DWG

ISSUE DATE	16.05.03	ISSUE	P1	PUBLISHER	SAW MWC PD F	PAGE	2/4
------------	----------	-------	----	-----------	--------------	------	-----



Preliminary Datasheet

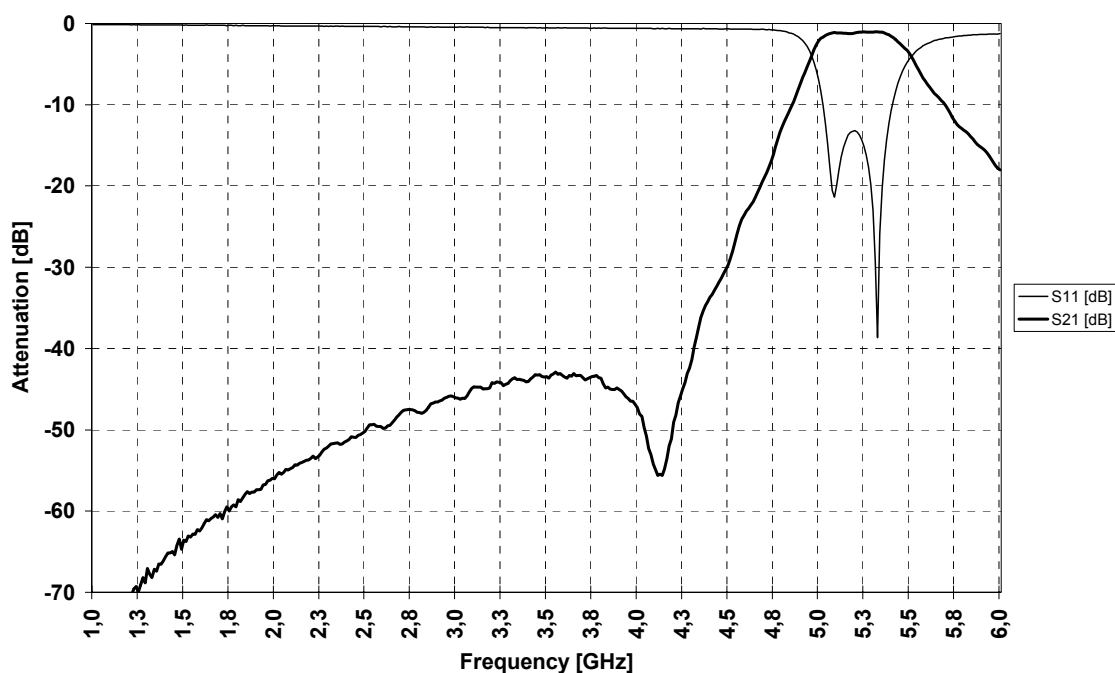
Characteristics

		min.	typ.	max.	
Center frequency	$f_C$	-	5250	-	MHz
Insertion loss	$\alpha_{IL}$		0.9	1.0	dB
Passband	$B$	200			MHz
Standing wave ratio	$SWR$		1.5	2.0	
Impedance	$Z$		50		$\Omega$
Power	$P$			1.0	W
Attenuation					
	at DC to 1990 MHz	52	57		dB
	at 1990 to 2170 MHz	50	55		dB
	at 2400 to 2500 MHz	45	50		dB

Maximum ratings

IEC climatic category (IEC 68-1)		- 40/+ 90/56	
Operating temperature	$T_{Op}$	-40 / + 85	°C

Typical passband characteristic







中发网 WWW.ZFA.CN

全球最大的PDF中文下载站



**中发网**  
www.zfa.cn

**PDF 资料下载尽在中发网**