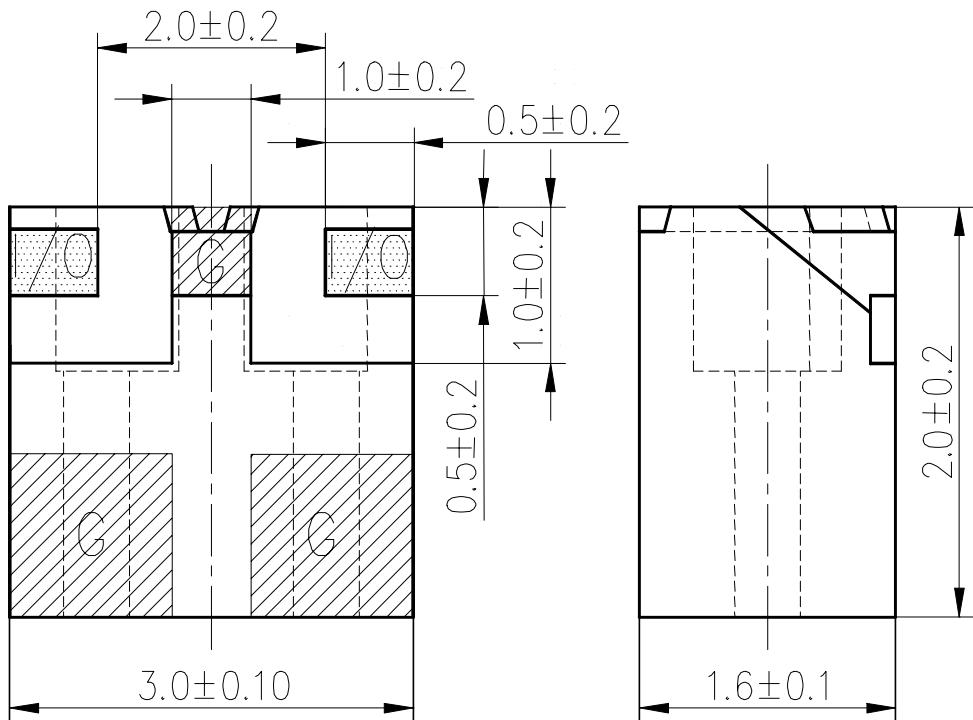
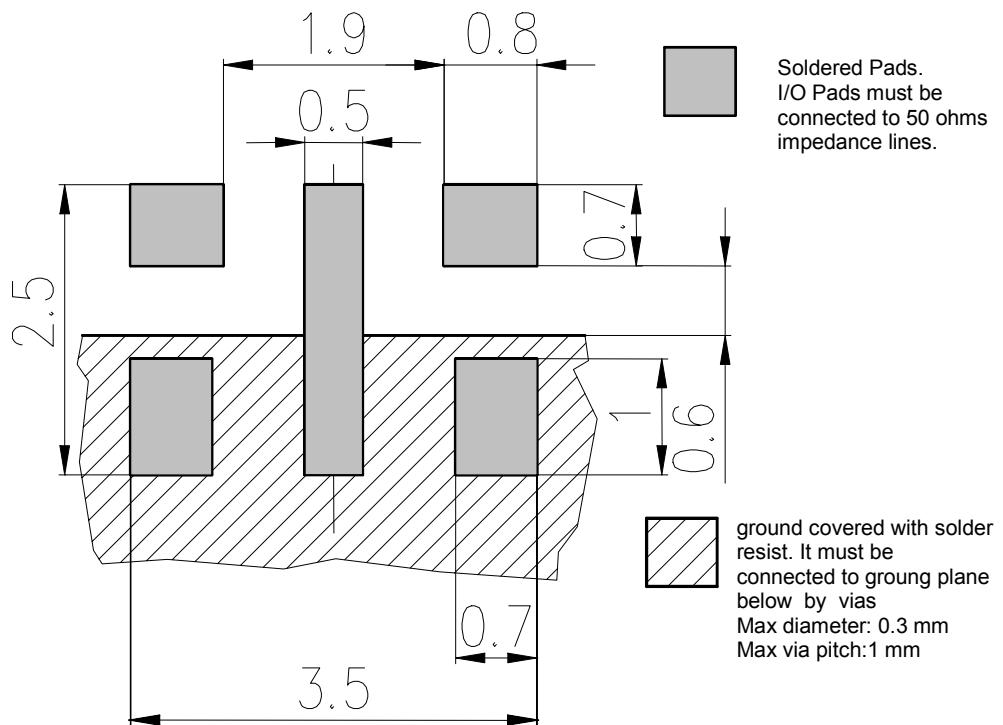


## Features

- SMD filter consisting of coupled resonators with stepped impedances
- $\text{MgTiO}_3 - \text{CaTiO}_3$  ( $\epsilon_r = 21$  /  $TC_f = 0 \pm 10 \text{ ppm/K}$ ) with a coating of copper ( $10\mu\text{m}$ ) and tin ( $>5\mu\text{m}$ )
- Excellent reflow solderability, no migration effect due to copper/tin metallization

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**Preliminary Datasheet**
**Component drawing**

**Recommended footprint**


FOOTPRINT\_130802.DWG→WMF

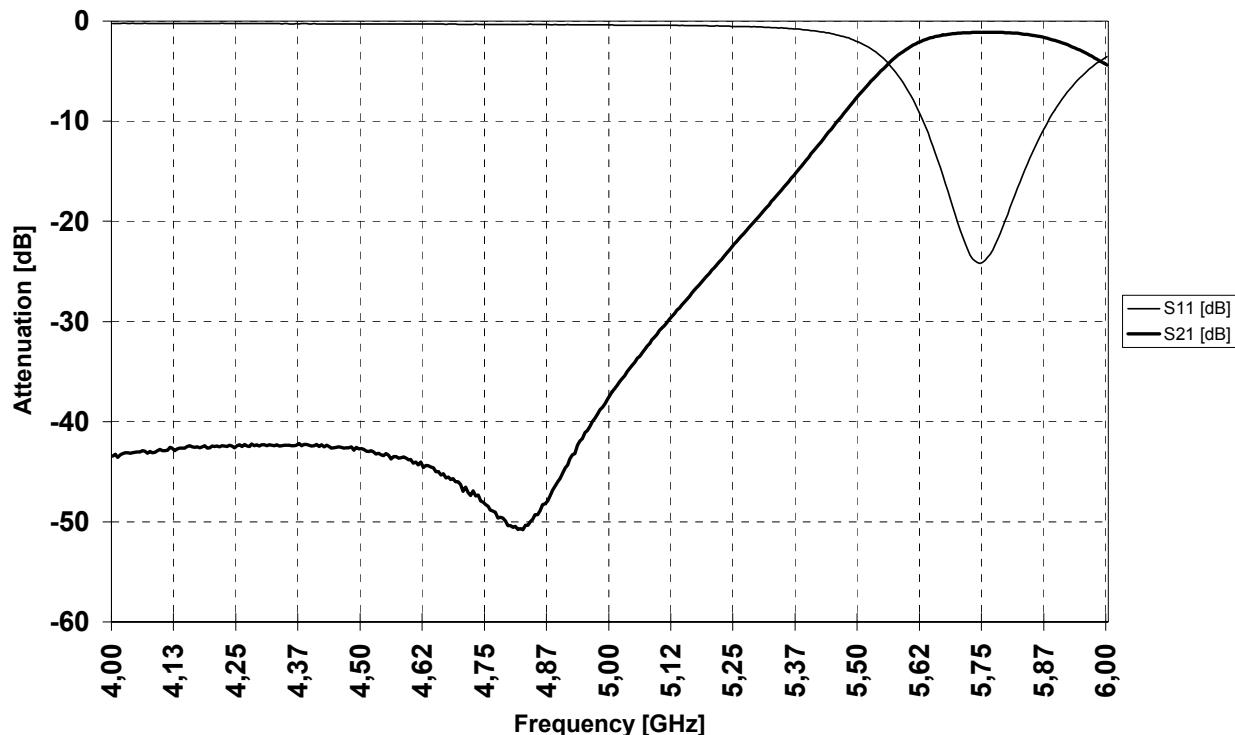
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**Preliminary Datasheet**
**Characteristics**

		min.	typ.	max.	
Center frequency	$f_c$	-	5775	-	MHz
Insertion loss	$\alpha_{IL}$		1.1	1.3	dB
Passband	$B$	100			MHz
Standing wave ratio	$SWR$		1.5	2.0	
Impedance	$Z$		50		$\Omega$
Power	$P$			1.0	W
Attenuation	$\alpha$				
at DC to 1990 MHz		55	60		dB
at 1990 to 2170 MHz		53	58		dB
at 2400 to 2500 MHz		50	55		dB

**Maximum ratings**

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

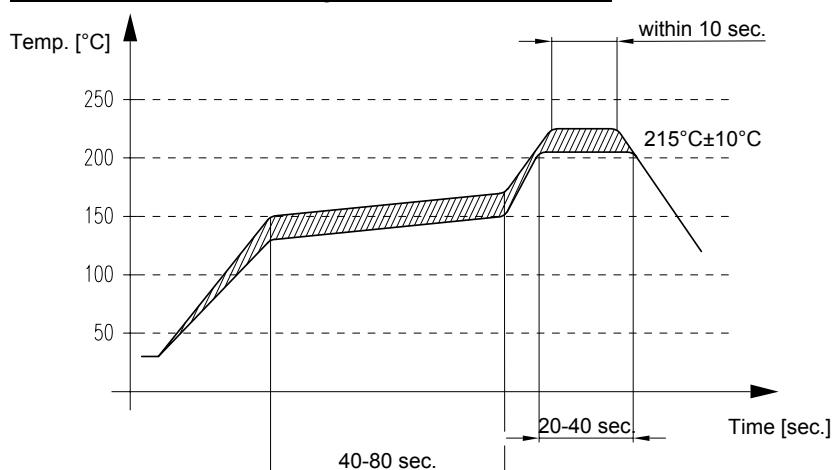
**Typical passband characteristic**


**Preliminary Datasheet**
**Processing information**

- Wettability to IEC 68-2-58:  $\geq 75\%$  (after aging)

**Soldering requirements**

Soldering type	reflow	
Maximum soldering temperature (measuring point on top surface of the component)	235 (max. 2 sec.) 225 (max. 10 sec.)	°C °C

Recommended soldering conditions (infrared):


LOETPROF.DOC

**Delivery mode**

- Blister tape acc. to IEC 286-3, PS, grey
- Pieces/tape: t.b.d.

**t.b.d.**

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