

Features

- SMD filter consisting of coupled resonators with stepped impedances
- $\text{MgTiO}_3 - \text{CaTiO}_3$ ($\epsilon_r = 21$ / $TC_f = 0 \pm 10$ 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

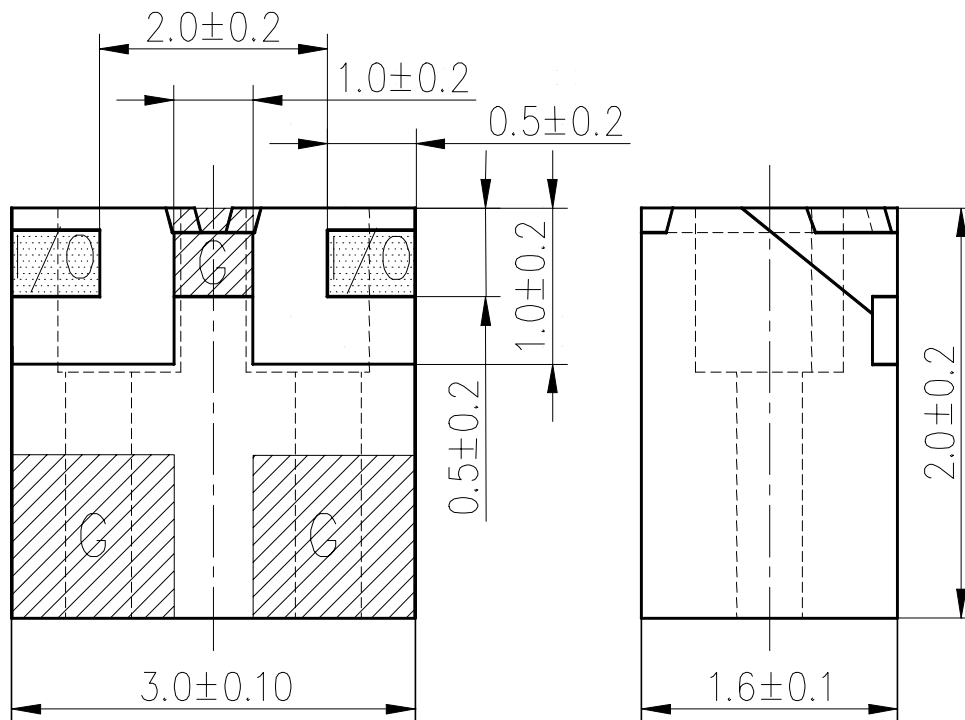
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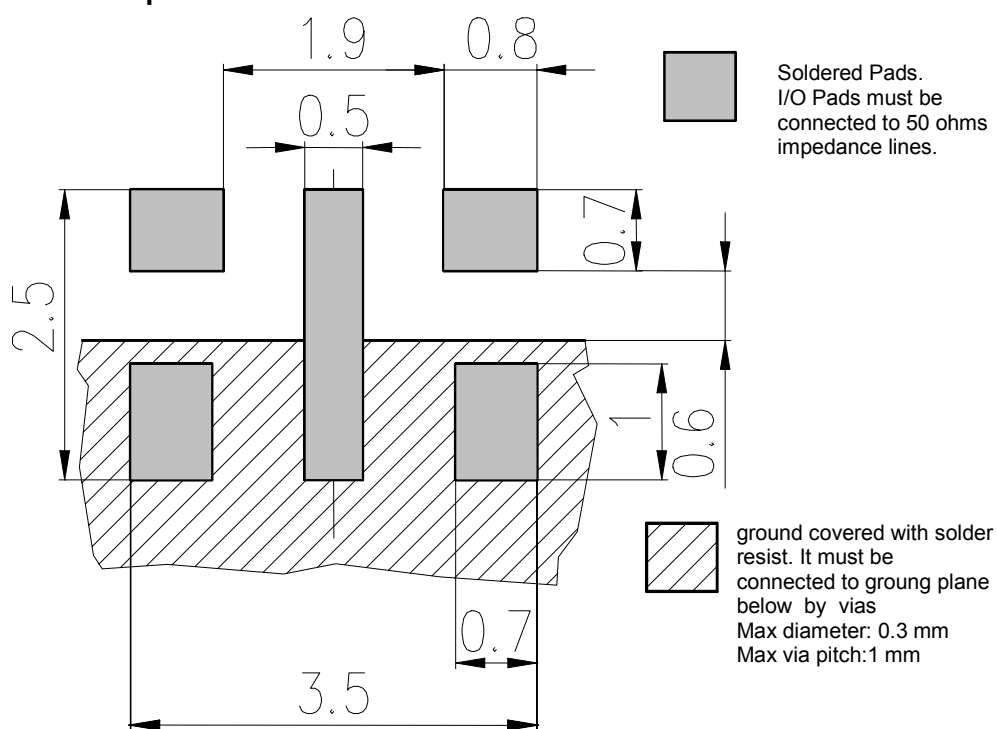
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Preliminary Datasheet

Component drawing



Recommended footprint



FOOTPRINT_130802.DWG→WMF

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Preliminary Datasheet

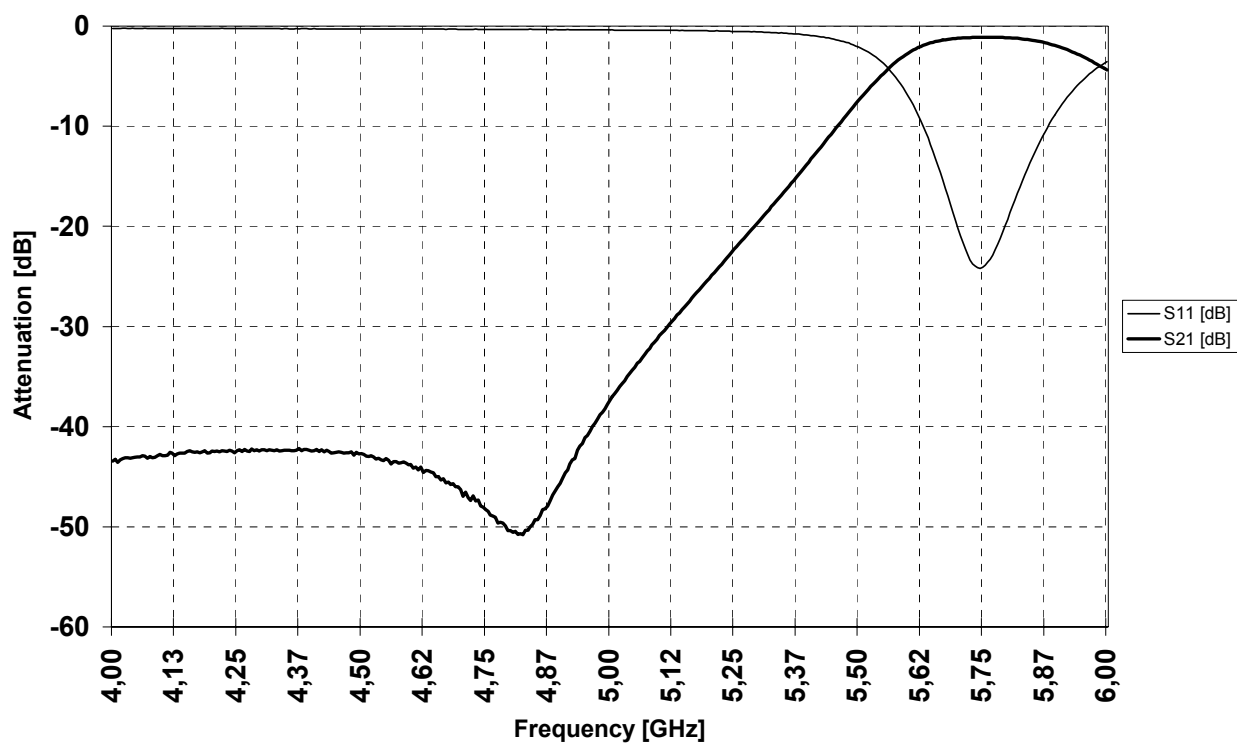
Characteristics

		min.	typ.	max.	
Center frequency	f_c	-	5775	-	MHz
Insertion loss	α_{IL}		1.1	1.3	dB
Passband	B	100			MHz
Standing wave ratio	SWR		1.5	2.0	
Impedance	Z		50		Ω
Power	P			1.0	W
Attenuation	α				
	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

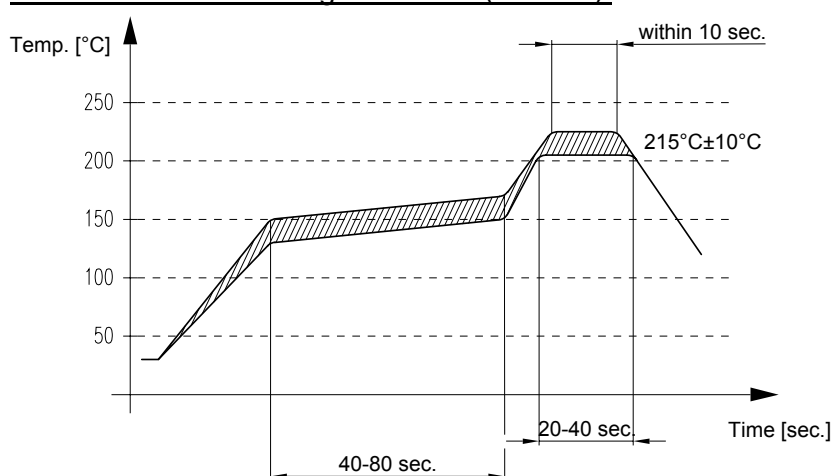


Preliminary Datasheet
Processing information

- 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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The information contained in this data sheet describes the type of component and shall not be considered as guaranteed characteristics. Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.

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