

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

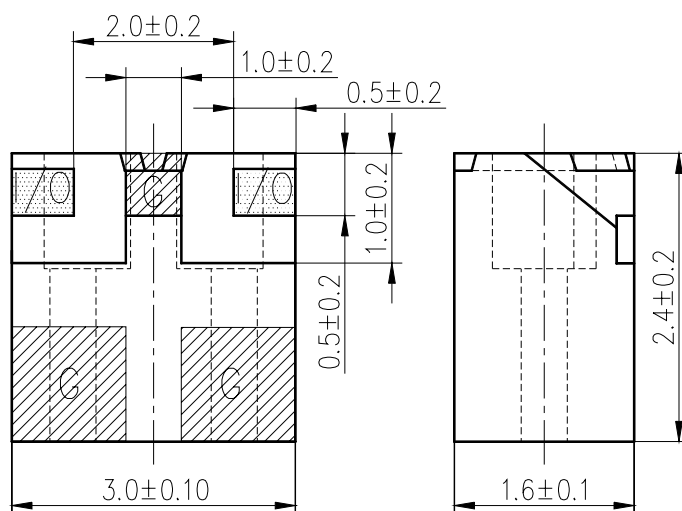
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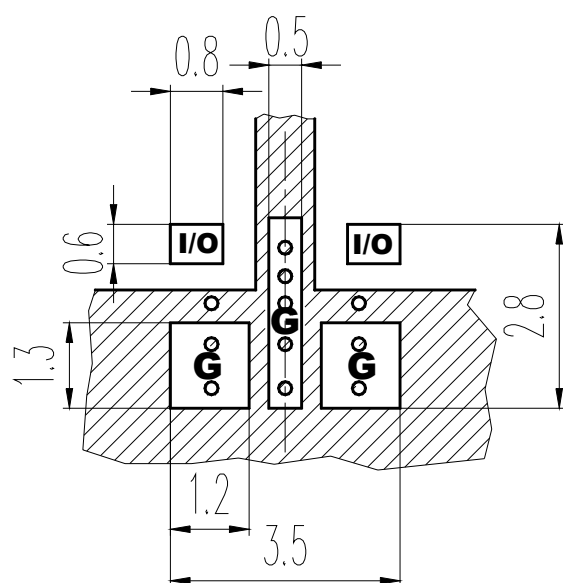
Preliminary Data Sheet

Component drawing



View from below onto the solder terminals and view from beside

Recommended footprint



□ soldering area
via diameter 0.3mm

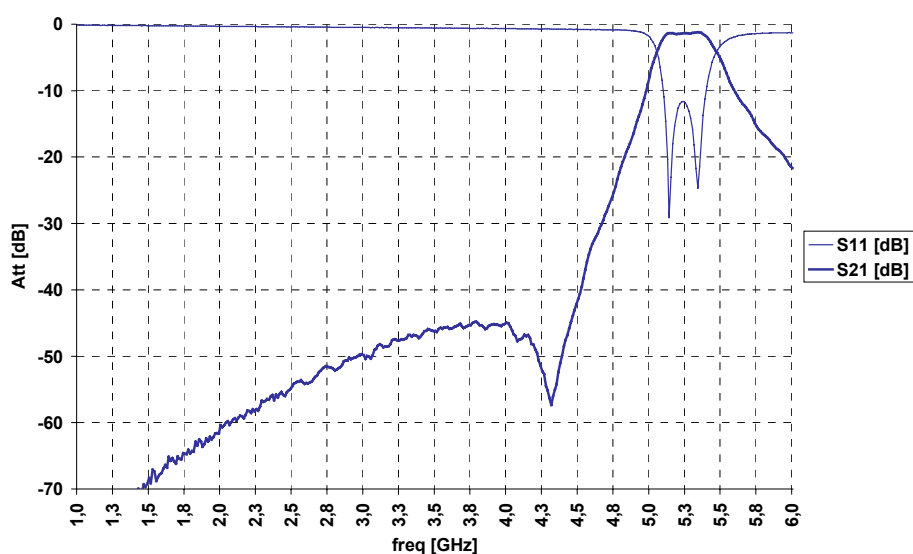
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Preliminary Data Sheet
Characteristics

		min.	typ.	max.	
Center frequency	f_c	-	5250	-	MHz
Insertion loss	α_{IL}		1.0	1.2	dB
Passband	B	200			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$			0.8	dB
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
	at 4500 MHz	35	40		dB
	at 6.5 to 10 GHz	20	25		dB

Maximum ratings

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

Typical passband characteristic


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