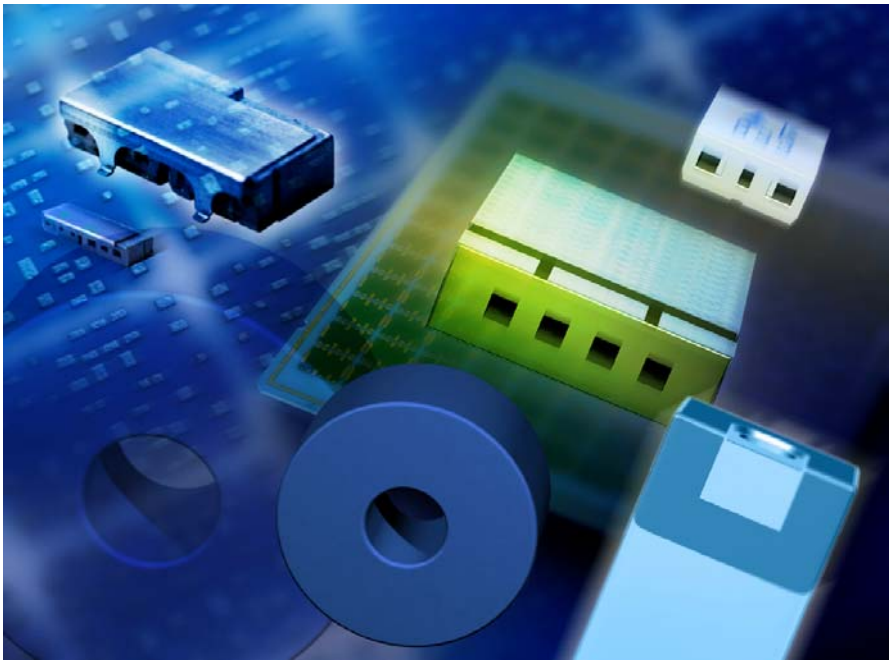
2-Pol Filter for GPS B69812N1577C403

Data Sheet



Features

- SMD filter consisting of coupled resonators with stepped impedances
- (NdBa)TiO_3 (ε_r = 88 / TC_f =0±10 ppm/K) with a coating of copper (10µm) and tin (>5µm)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

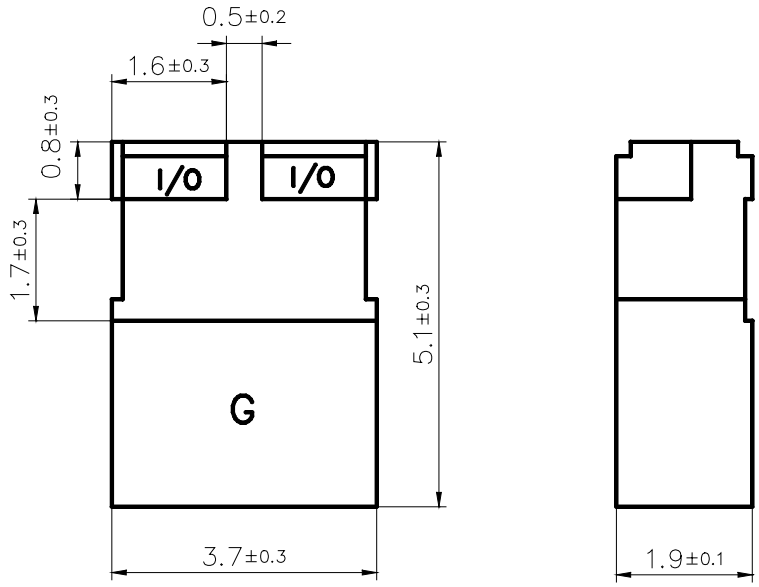
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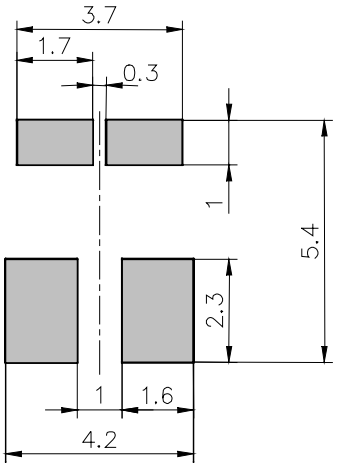
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Component drawing



View from below onto the solder terminals and view from beside

Recommended footprint



Data Sheet

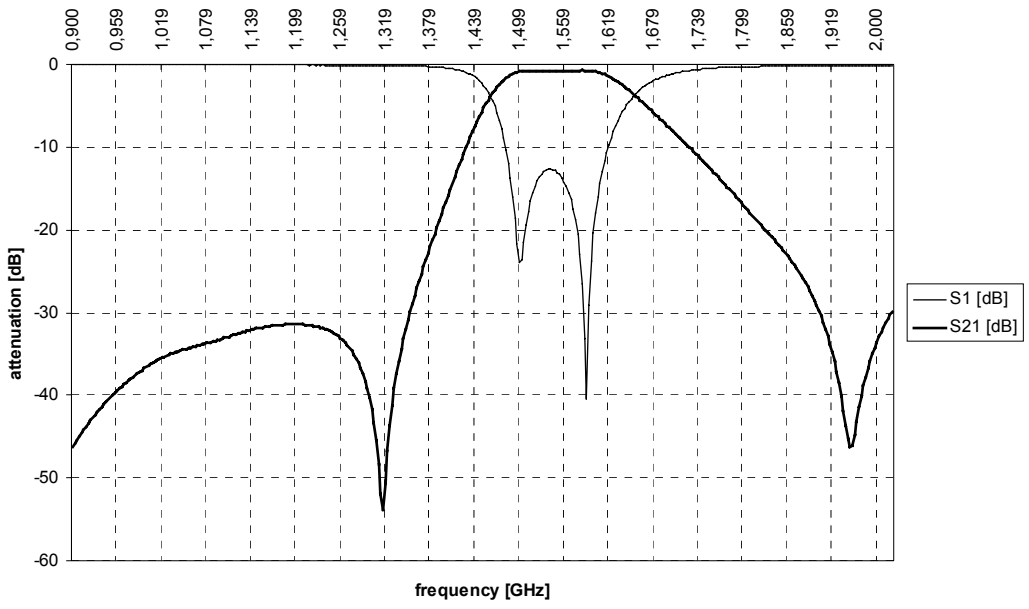
Characteristics

		min.	typ.	max.	
Center frequency	f_C	-	1575	-	MHz
Insertion loss	α_{IL}		0.65	0.9	dB
Passband	B	3			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$			0.5	dB
Standing wave ratio	SWR		1.2	1.8	
Impedance	Z		50		Ω
Attenuation	α				
at 900 MHz		20			dB
at 1850 to 1990 MHz		20			dB

Maximum ratings

IEC climatic category (IEC 68-1)		- 40/+ 90/56	
Operating temperature	T_{op}	- 30/+ 85	°C

Typical Passband Characteristics



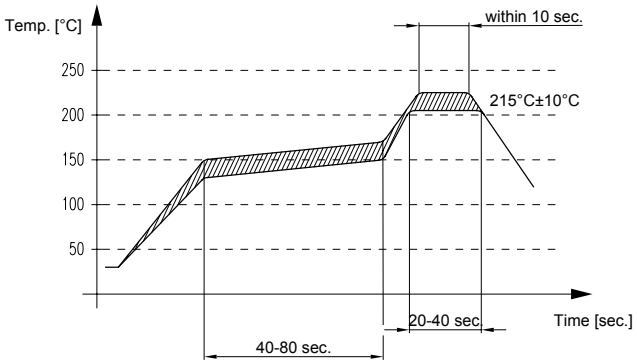
Processing information

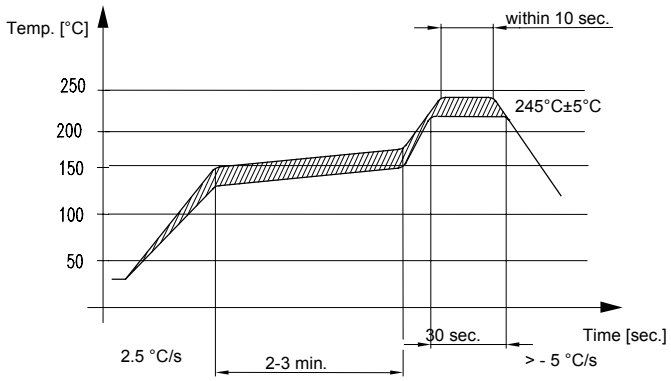
- Wettability acc. to IEC 68-2-58: ≥ 75% (after aging)

Soldering Requirements

	Profile for eutectic SnPb solder paste	Profile for leadfree solder paste	
Soldering type	reflow	reflow	
Maximum soldering temperature (measuring point on top surface of the component)	235 (max. 2 sec.) 225 (max. 10 sec.)	260 (max. 2 sec.) 250 (max. 10 sec.)	°C °C

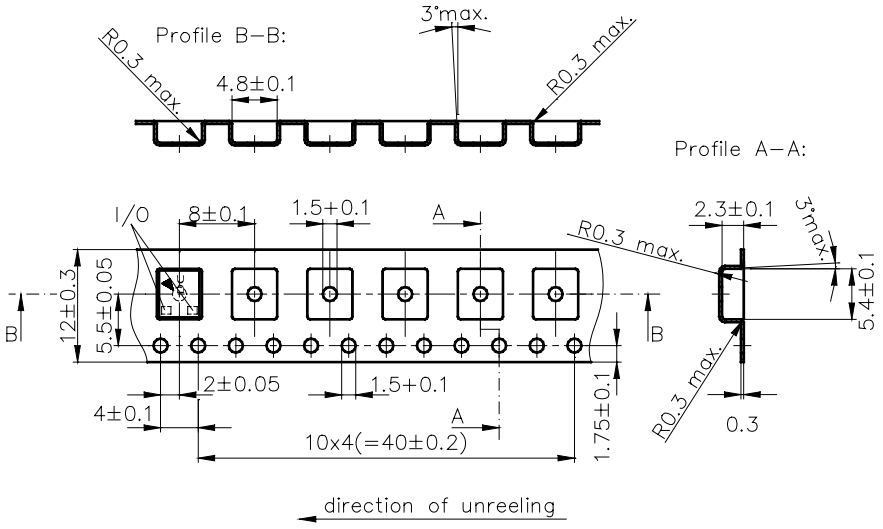
Recommended soldering conditions (infrared):





Delivery mode

- Blister tape acc. to IEC 286-3, grey
- Pieces/tape: 3000



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