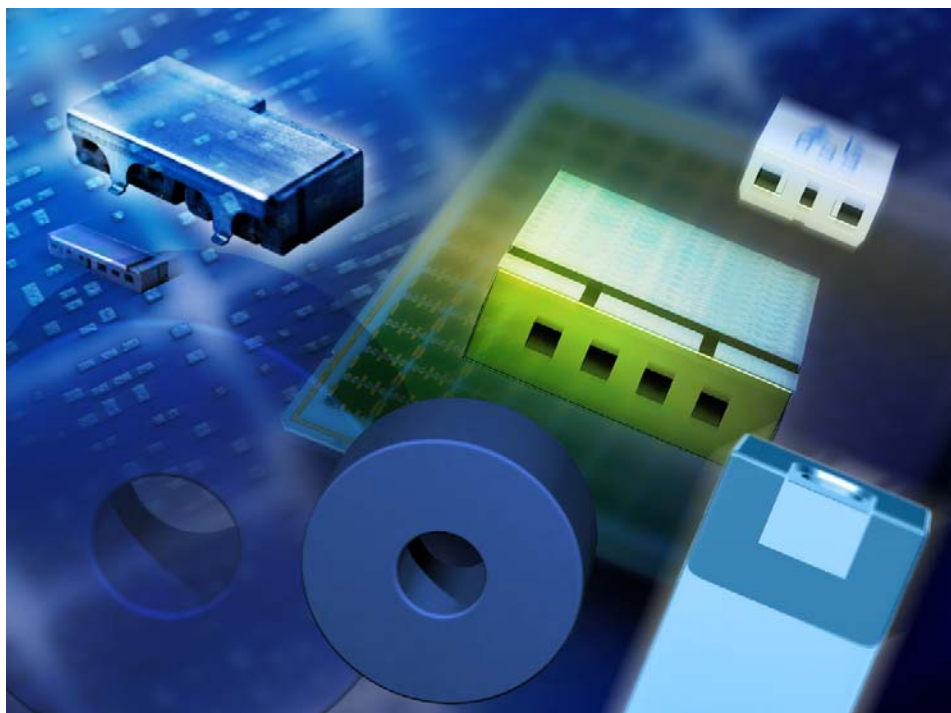




Features

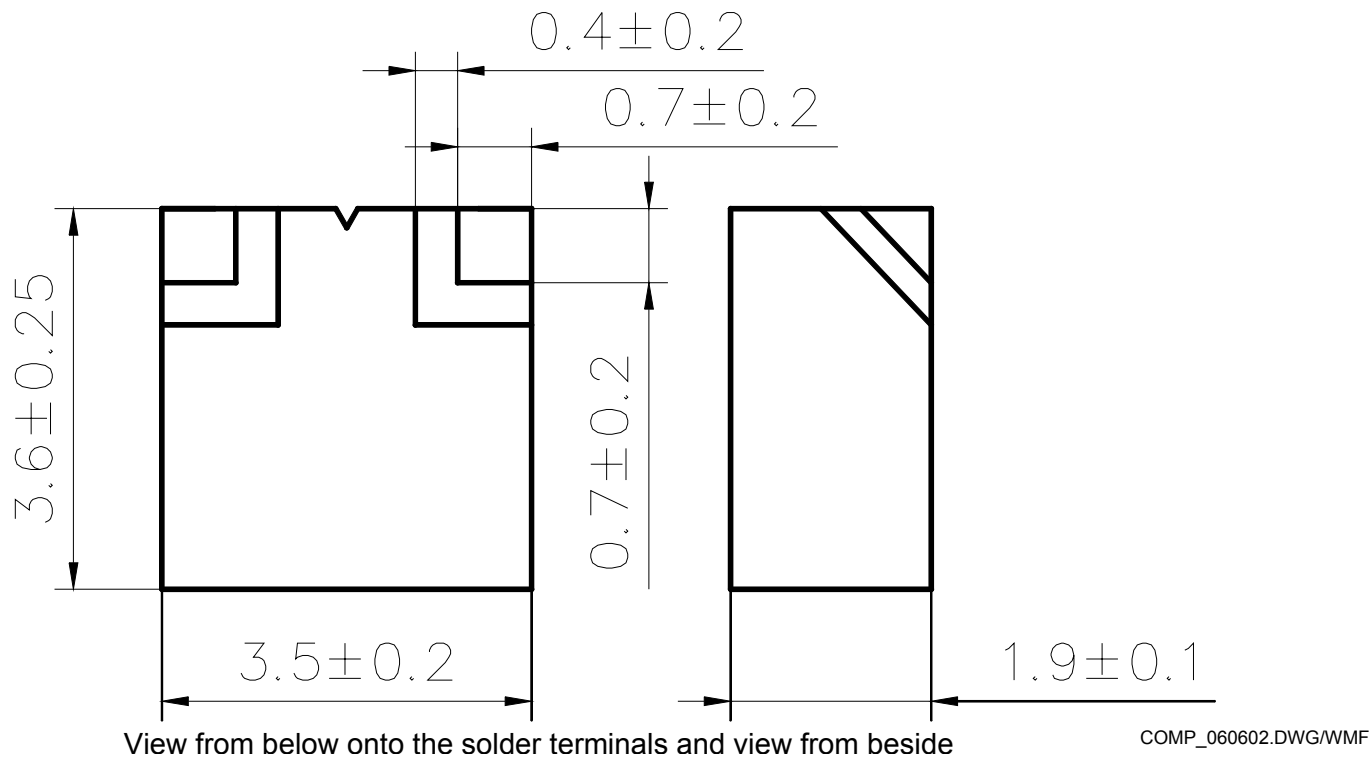
- SMD filter consisting of coupled resonators with stepped impedances
- (NdBa)TiO₃ ($\epsilon_r = 88$ / $TC_f = 0 \pm 10$ ppm/K) with a coating of copper (10 μ m) and tin (>5 μ m)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

Index

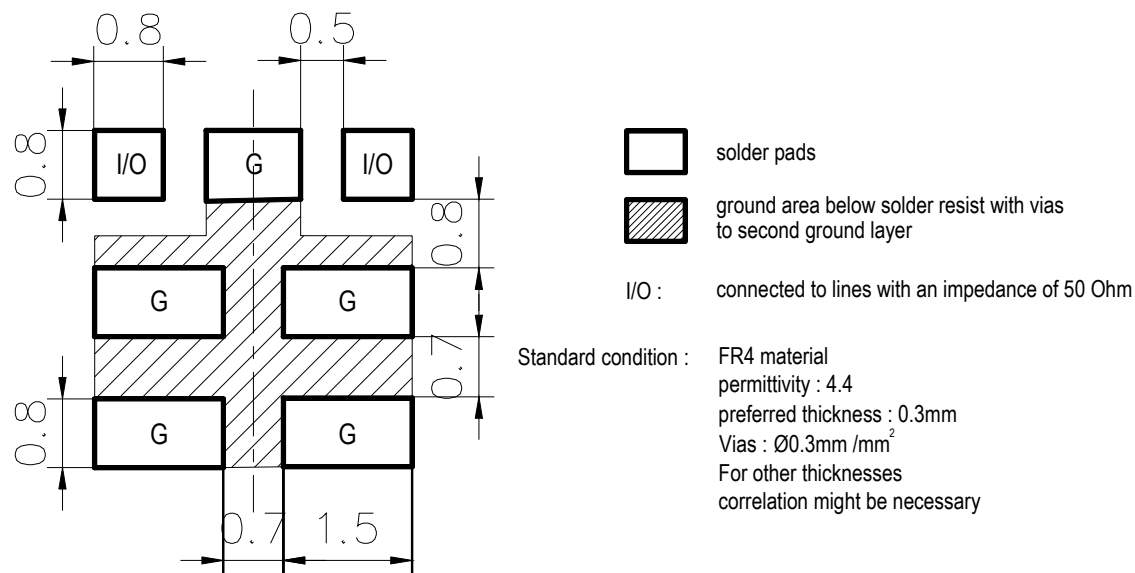
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|--------|---|
| Page 1 | <ul style="list-style-type: none"> ● Features ● Index |
| Page 2 | <ul style="list-style-type: none"> ● Component drawing ● Recommended footprint |
| Page 3 | <ul style="list-style-type: none"> ● Characteristics ● Maximum ratings ● Typical passband characteristic |
| Page 4 | <ul style="list-style-type: none"> ● Processing information ● Soldering requirements ● Delivery mode |

ISSUE DATE	28.08.03	ISSUE	P2	PUBLISHER	SAW MWC PD F	PAGE	1/4
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Component drawing



Recommended footprint



FP_060602.DWG/WMF

ISSUE DATE	28.08.03	ISSUE	P2	PUBLISHER	SAW MWC PD F	PAGE	2/4
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Preliminary Datasheet

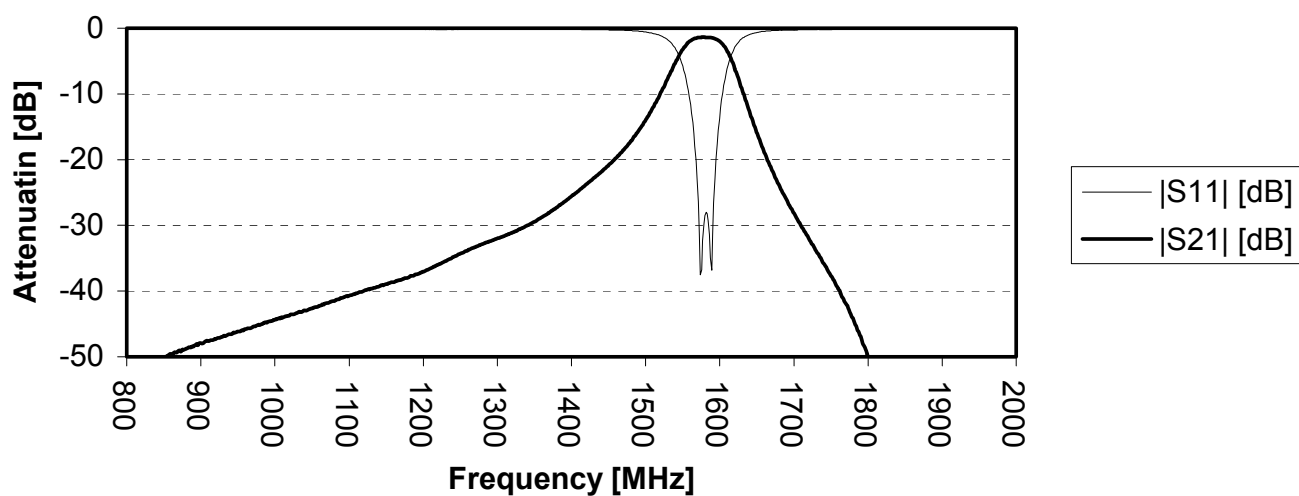
Characteristics

		min.	typ.	max.	
Center frequency	f_c	-	1575.42	-	MHz
Insertion loss	α_{IL}		1.3	1.5	dB
Passband	B	2			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$			0.1	dB
Standing wave ratio	SWR			1.8	
Impedance	Z		50		Ω
Attenuation	α				
	at 824 to 849 MHz	50			dB
	at 1850 to 1910 MHz	45			dB

Maximum ratings

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

Typical passband characteristic



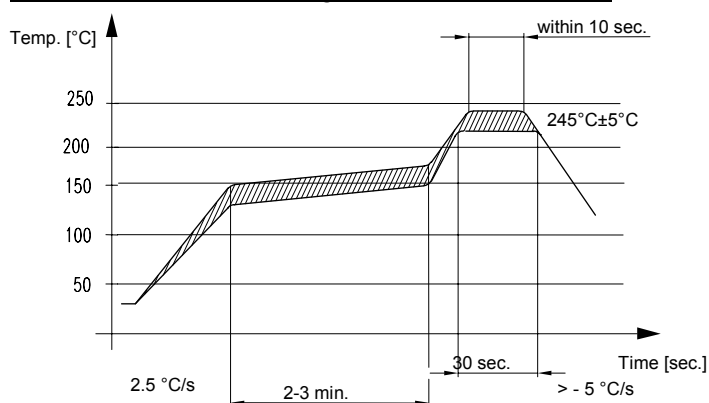
Processing information

ZNr.: 605 (FILT95_2)

- 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)	260 (max. 2 sec.) 250 (max. 10 sec.)	°C °C

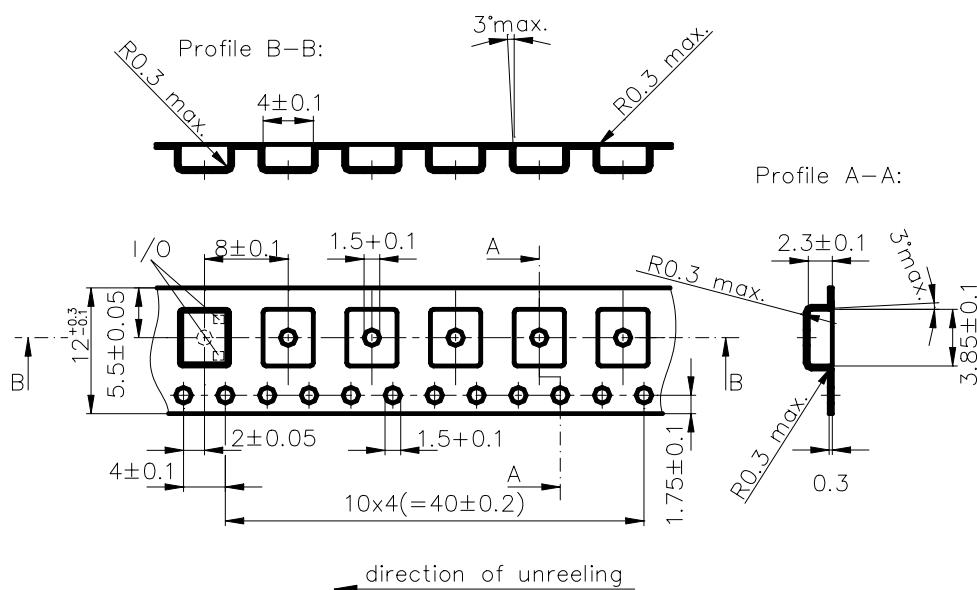
Recommended soldering conditions (infrared):


LOETPROF.DOC

Delivery mode

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

Reel: diameter — 330 mm



Tap 424