

Features

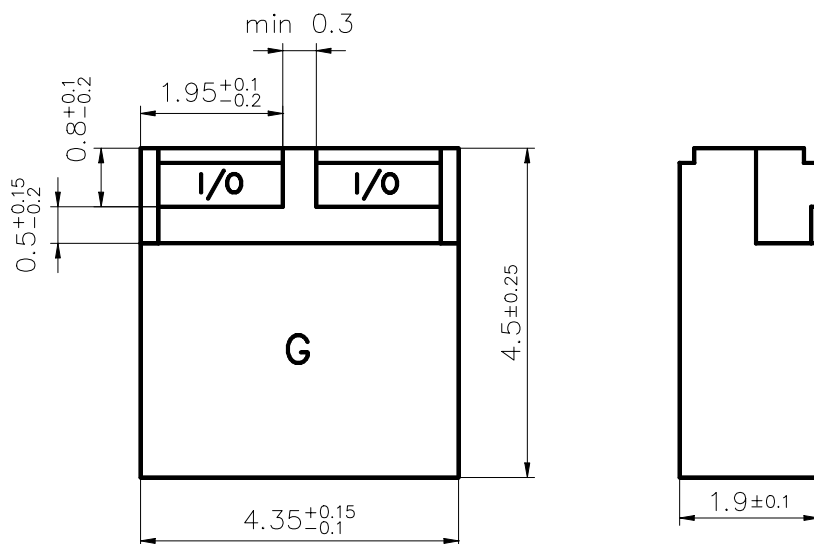
- SMD filter consisting of coupled resonators with stepped impedances
- (NdBa)TiO₃ ($\epsilon_r = 88$ / $TC_f = 0 \pm 10$ ppm/K) with a coating of copper (10 μ m) and tin (>5 μ m)
- Excellent reflow solderability, no migration effect due to copper/tin metallization

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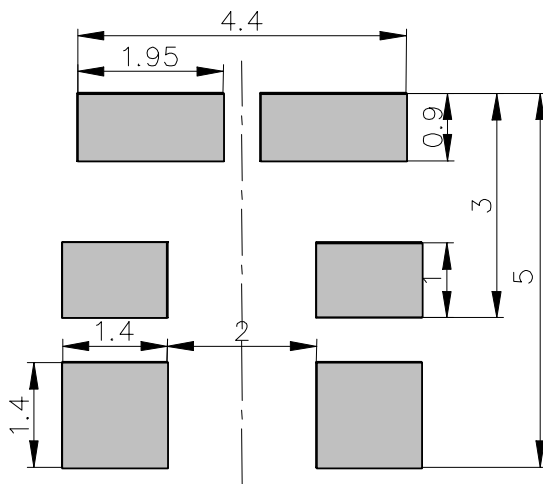
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Component drawing



View from below onto the solder terminals and view from beside

Recommended footprint



FPS3S281 1700800-DWG→WMF

Characteristics

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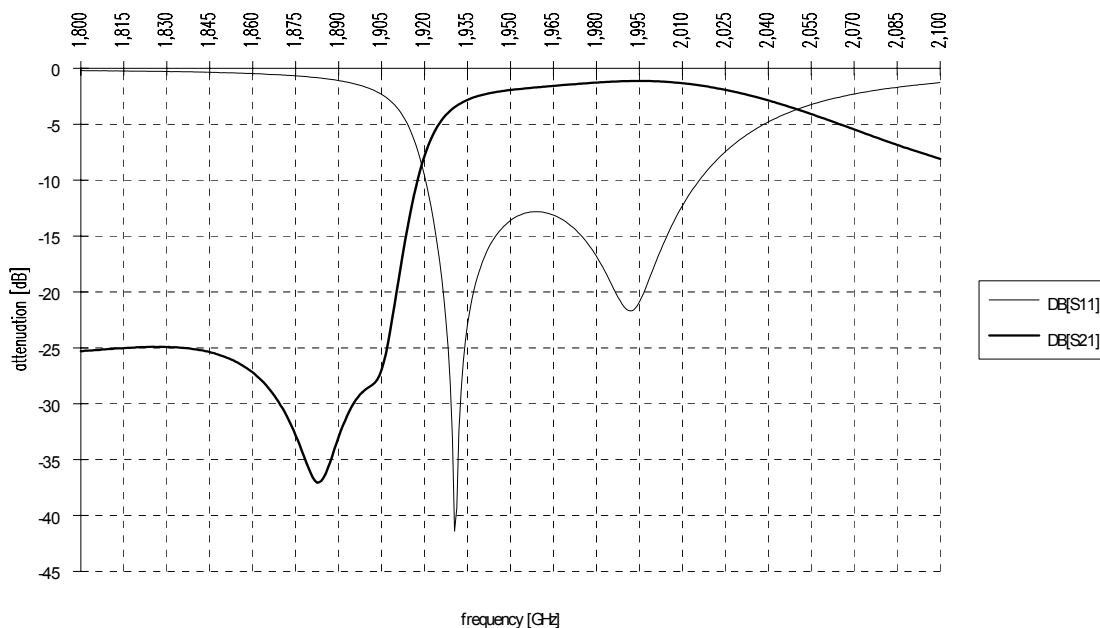
Preliminary datasheet

		min.	typ.	max.	
Center frequency	f_c	-	1960	-	MHz
Insertion loss	$\alpha_{ L}$		2.8	3.5	dB
Passband	B	60			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$		1.4	2.2	dB
Standing wave ratio	SWR		1.6	2.2	
Impedance	Z		50		Ω
Attenuation	α				
	at 1910 MHz	20	21		dB

Maximum ratings

IEC climatic category (IEC 68-1)		- 40/+ 90/56	
Operating temperature	T_{op}	-20 / +75	°C

Typical passband characteristic



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Processing information

ZNr.: 673 (FILT95_2)

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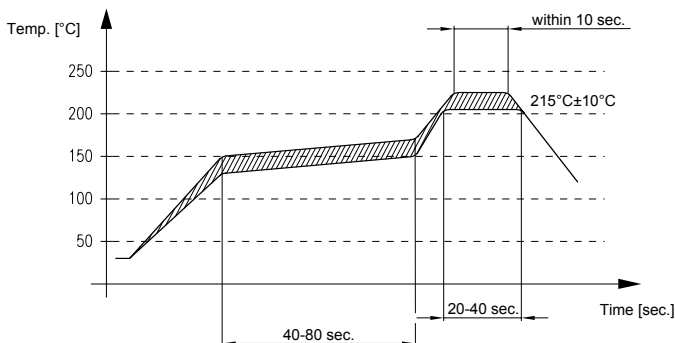
Preliminary datasheet

- 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):

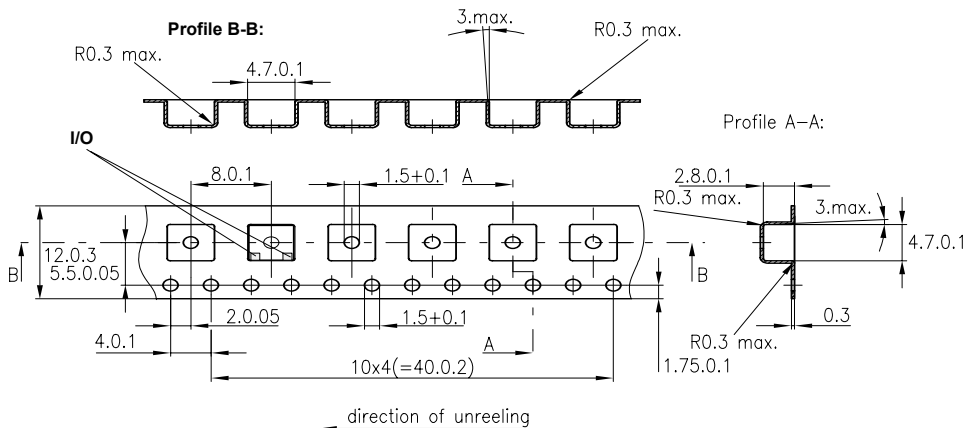


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Delivery mode

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

Reel: diameter - 330 mm



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