

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

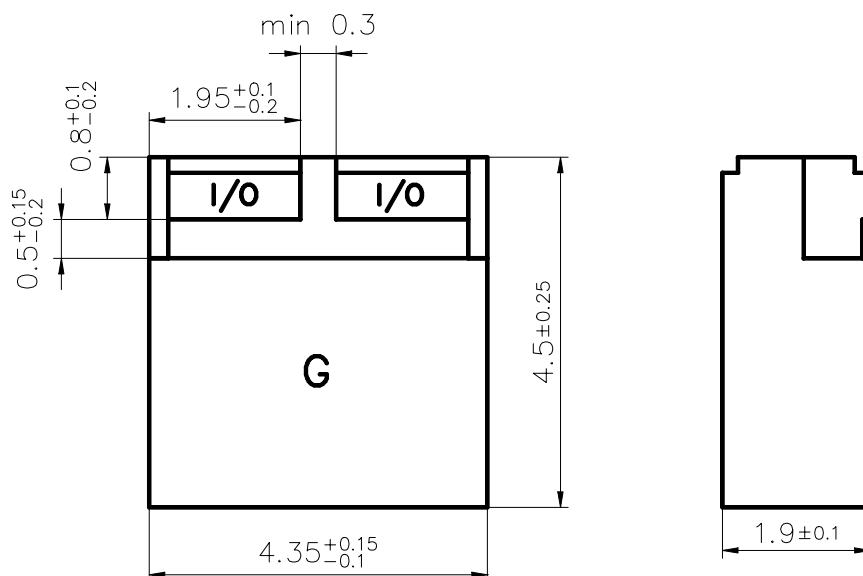
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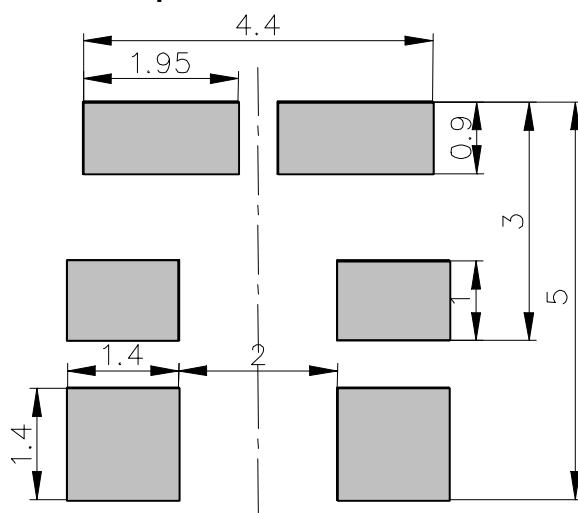
Preliminary datasheet

Component drawing



View from below onto the solder terminals and view from beside

Recommended footprint



FPS3S281 1700800-DWG→WMF

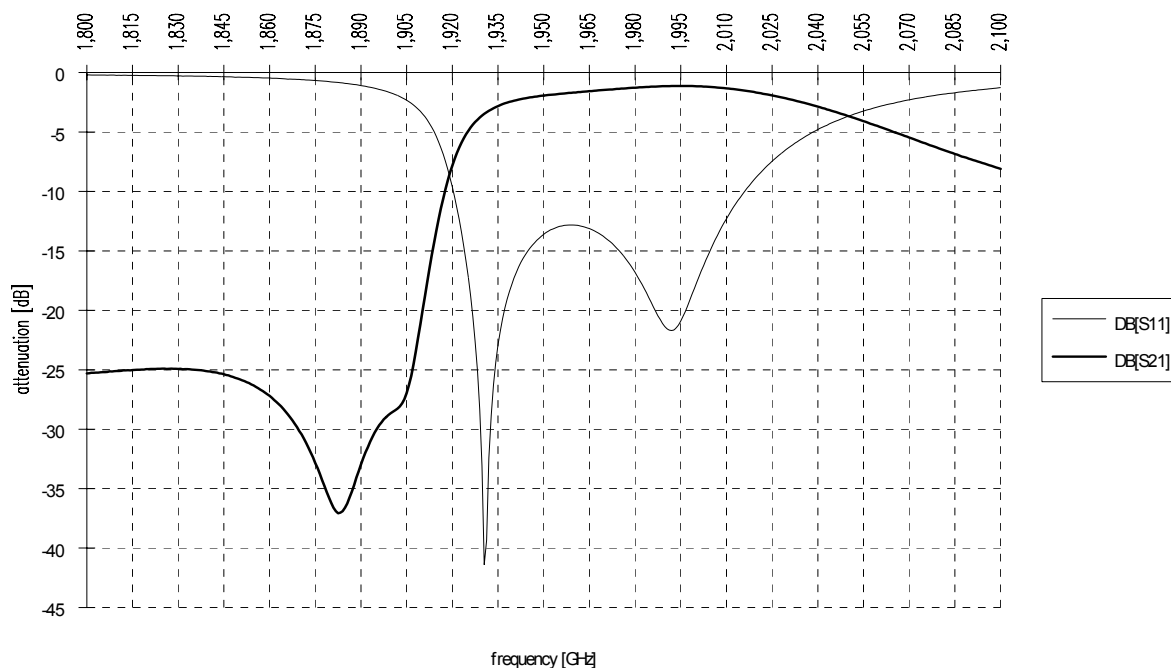
Characteristics

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		min.	typ.	max.	
Center frequency	f_c	-	1960	-	MHz
Insertion loss	α_{IL}		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


S3S281.DOC

Processing information
ZNr.: 673 (FILT95_2)

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