

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

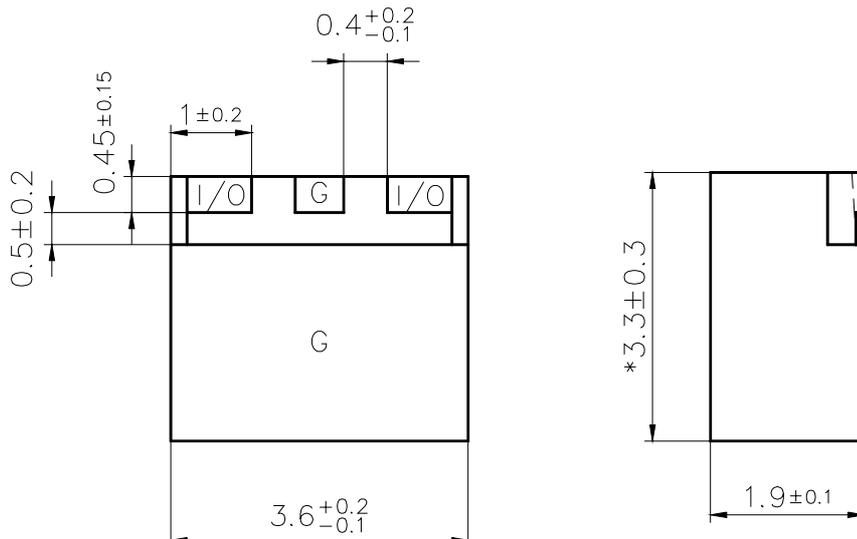
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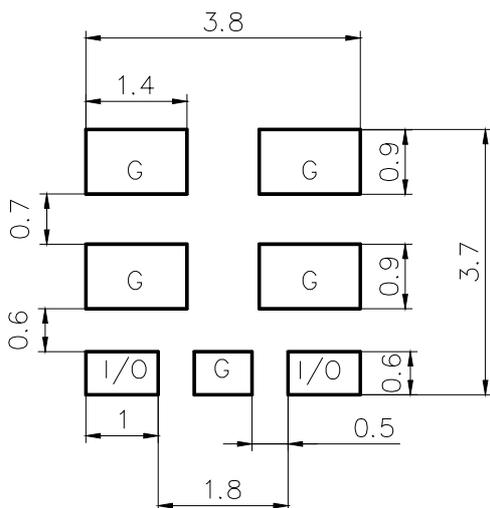
Preliminary Data Sheet

Component drawing

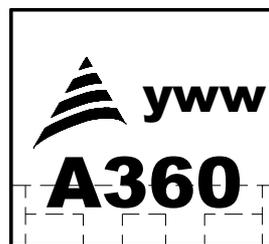


View from below onto the solder terminals and view from beside

Recommended footprint



Marking



y= calendar year
w= calendar week
e.g.: 427= calendar year 2004,
calendar week 27

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Preliminary Data Sheet

Characteristics

		min.	typ.	max.	
Center frequency	f_c	-	2140	-	MHz
Insertion loss	α_{IL}		1.5	2.0	dB
Passband	B	60			MHz
Amplitude ripple (peak - peak)	$\Delta\alpha$		0.5	1.0	dB
Standing wave ratio	SWR		1.5	2.0	
Impedance	Z		50		Ω
Power	P			1.0	W
Attenuation	α	30	35		dB
		at 1920 to 1980 MHz			

Maximum ratings

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

Typical passband characteristic

