

Dielectric Band Pass Filters

For 2.4GHz W-LAN/Bluetooth

CF Series

Type: **CF61A8501 (3.0×3.0×1.2mm max.)**
 CF61A8701 (2.0×2.5×1.2mm max.)

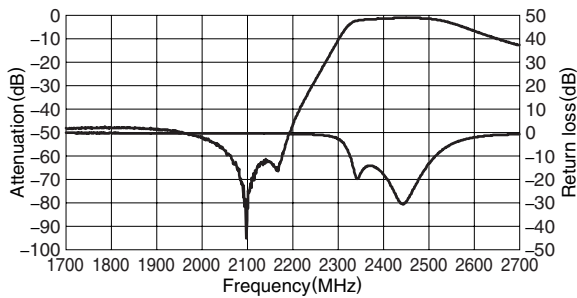
Issue date: November 2010

- All specifications are subject to change without notice.
- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

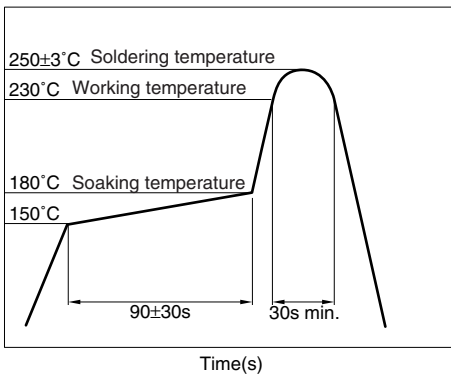
ELECTRICAL CHARACTERISTICS

Center frequency		2450MHz
Band width		100MHz
Insertion loss	[2400 to 2500MHz]	1.80dB max.
Pass band ripple	[2400 to 2500MHz]	0.80dB max.
Return loss	[2400 to 2500MHz]	10dB min.
Attenuation	[880 to 960MHz]	50dB min.
	[1570 to 1580MHz]	40dB min.
	[1710 to 1880MHz]	40dB min.
	[1880 to 1990MHz]	40dB min.
	[2110 to 2170MHz]	40dB min.
	[4800 to 5000MHz]	30dB min.
	[7200 to 7500MHz]	15dB min.
Characteristics impedance		50Ω
Operating temperature range		-20 to +70°C

FREQUENCY CHARACTERISTICS



RECOMMENDED SOLDERING CONDITION



Dielectric Chip Band Pass Filters For Bluetooth & 2.4GHz W-LAN

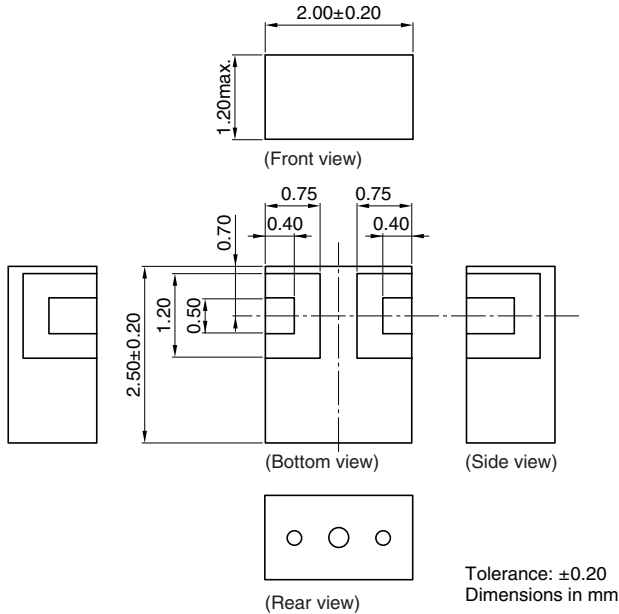
Conformity to RoHS Directive

CF Series CF61A8701

FEATURES

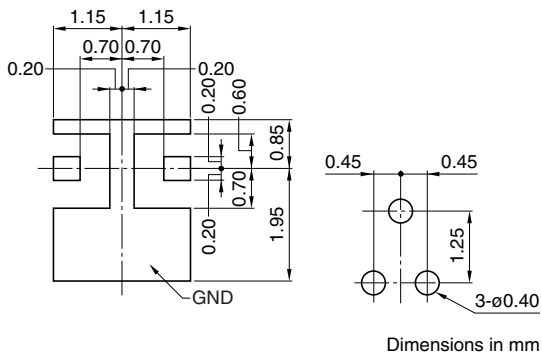
- Compact and high performance 3-pole filter.
- High reliability (Ceramic block filter).
- SMD type.

SHAPES AND DIMENSIONS

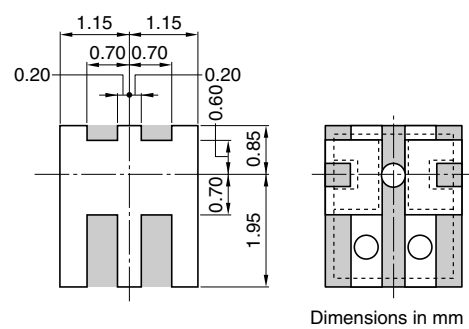


RECOMMENDED PC BOARD PATTERNS

LAND



RESIST



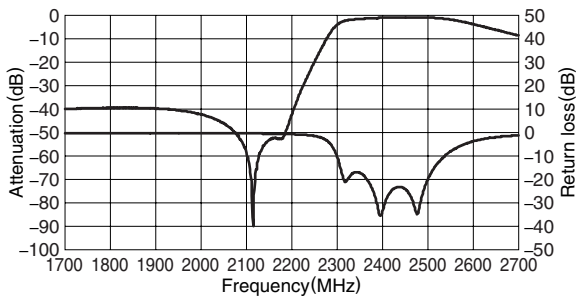
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Attenuation	[880 to 960MHz]	45dB min.
	[1570 to 1580MHz]	35dB min.
	[1710 to 1880MHz]	35dB min.
	[1880 to 1990MHz]	35dB min.
	[2110 to 2170MHz]	40dB min.
	[4800 to 5000MHz]	25dB min.
Characteristics impedance		50Ω
Operating temperature range		-20 to +85°C

FREQUENCY CHARACTERISTICS



RECOMMENDED SOLDERING CONDITION

