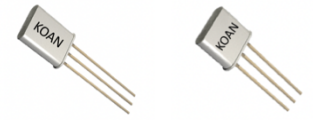


晶体滤波器 Monolithic Crystal Filters: K14T KU1 KU5

Feature 特征

- Center frequencies 10.700, 21.4000MHz and 45.000MHz with 2/4/6/8 poles for flexible selectivity
中心频率为 10.700MHz, 21.4MHz 和 45MHz, 极点数客选择 2/4/6/8, 满足不同滤波需求
- Narrow pass band standards $\pm 7.5\text{kHz}$ at 3dB 通带窄, 标准为 $\pm 7.5\text{kHz}$ (3dB 带宽)
- High stop band attenuation and low insertion loss 阻带衰减高达 90dB, 有效抑制干扰信号; 插入损耗最低 1.5dB, 信号损耗小
- Standard DIP packages 7.0x3.1x8.0mm, 7.8x3.1x6.0mm and 11.5x4.5x11.2mm 标准直插封装
- Ideal for two-way radios, wireless communication modules, mobile phones, IF filtering in RF systems 适用于对讲机, 无线通信模块, 移动电话, 射频系统的中频滤波



General Specifications 规格参考

Center Frequency	Channel Spacing	Model	No. Poles	Pass Band Width		Stop Band Width		Ripple	Insertion Loss	Guaranteed Attenuation		Terminating Impedance
中心频率	信道间隔	型号	极点数	通带宽度		阻带宽度		波纹	插入损耗	阻带衰减量		终端阻抗
MHz	kHz			dB	kHz	dB	kHz	dB max	dB	dB	kHz	Ohms/pF
10.700	25.0	K49T	2	3	± 7.5	18	± 25	0.5	1.5	35	$\pm 300 \sim \pm 1000$	3.0K//2.0
			4	3	± 7.5	40	± 25	1.0	2.5	55	$\pm 300 \sim \pm 1000$	3.0K//1.5
			6	3	± 7.5	45	± 18	2.0	3.0	65	$\pm 25 \sim \pm 300$	3.3K//1.5
			8	3	± 7.5	65	± 18	2.0	4.0	90	$\pm 25 \sim \pm 300$	3.3K//1.5
21.400	25.0	KU1	2	3	± 7.5	18	± 25	0.5	1.5	35	$\pm 300 \sim \pm 1000$	1.5K//2.0
			4	3	± 7.5	40	± 25	1.0	2.5	65	$\pm 300 \sim \pm 1000$	1.5K//2.0
			6	3	± 7.5	45	± 18	2.0	3.0	65	$\pm 25 \sim \pm 300$	1.5K//2.0
			8	3	± 7.5	65	± 18	2.0	4.0	90	$\pm 25 \sim \pm 300$	1.5K//2.0
		KU5	2	3	± 7.5	18	± 25	0.5	1.5	35	$\pm 300 \sim \pm 1000$	1.5K//2.0
			4	3	± 7.5	40	± 25	1.0	2.5	65	$\pm 300 \sim \pm 1000$	1.5K//2.0
			6	3	± 7.5	45	± 18	2.0	3.0	65	$\pm 25 \sim \pm 300$	1.5K//2.0
			8	3	± 7.5	65	± 18	2.0	4.0	90	$\pm 25 \sim \pm 300$	1.5K//2.0
45.000	25.0	KU1	2	3	± 7.5	15	± 25	1.0	2.0	35	$\pm 300 \sim \pm 1000$	650//3.0
			4	3	± 7.5	30	± 25	1.0	3.0	80	$\pm 300 \sim \pm 1000$	650//3.0
		KU5	2	3	± 7.5	15	± 25	1.0	2.0	35	$\pm 300 \sim \pm 1000$	650//3.0
			4	3	± 7.5	30	± 25	1.0	3.0	80	$\pm 300 \sim \pm 1000$	650//3.0

Operating Temperature	工作温度	-20~+70°C
Storage Temperature	储存温度	-50~+100°C
Aging	年老化率	$\pm 2\text{ppm per year max}$

NOTE: Please consult for other specifications 若有其它规格需求请告知

Outline Dimensions (Unit: mm) 外形尺寸

<p>K14T</p>	
<p>KU1</p>	
<p>KU5</p>	

Part Number Guide 产品编号

<u>21.4</u>	-	<u>KU1</u>	-	<u>A</u>	-	<u>15</u>
↓		↓		↓		↓
中心频率	-	型号	-	极点数	-	通带宽度 x2

‘K’:直插系列

10.700MHz
21.400MHz
45.000MHz

‘K49T’
11.5x4.5x11.2mm
‘KU1’
7.8 x 3.1 x 8.0 mm
‘KU5’
7.8x3.1x6.0mm

A = 2 poles
B = 4 poles
C = 6 poles
D = 8 poles

‘15’ for ±7.5kHz

Revision 版本

版本 Rev.	修改页 Revise Page	修改内容 Revise Contents	日期 Date	修改人 Reviser
0	N/A	Initial issue	2020.09.27	JZ
1.0	1	Merge all specs	2025.07.01	JZ