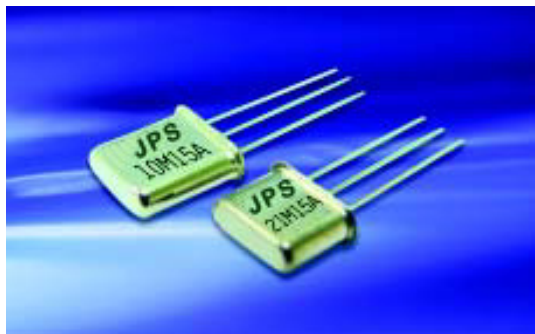


## ● Monolithic Crystal Filter (单片晶体滤波器) – MCF series

### ● UM Series MCF



#### ● Applications 用途:

Pager, Cordless phone, Portable phone & wireless communication, etc. 传呼机, 无绳电话, 移动电话及各种无线通讯设备等。

#### ● Features 特征:

- Small metal welded package. 小型金属封装。
- High stability temperature range. 温度变化频率稳定性高。
- Steep cutoff characteristic. 波形陡峭切断特性。

#### ● Typical specifications 规格参数

- For normal 21.4MHz series (一般品用)

Type	Nominal frequency (MHz)	Pole	Pass Band		Stop Band		Ripple (dB)	Loss (dB)	Guaranteed attenuation		Terminating impedance $\Omega/pF$	Operating temp. range (°C)	case
			dB	KHz	dB	KHz			dB	fo $\pm$ KHz			
21S081A	21.400	2	3 $\pm$ 3.75	20 $\pm$ 18.0		0.5	1.5	35	$\pm$ 300 ~ $\pm$ 1000	850//6.0	-20 ~ +70	UM-1.3S * 1	
21S082A		4	3 $\pm$ 3.75	40 $\pm$ 14.0		1.0	2.5	65	$\pm$ 300 ~ $\pm$ 1000	850//5.0	-20 ~ +70	UM-1.3S * 2	
21S121A		2	3 $\pm$ 6.0	20 $\pm$ 25.0		0.5	1.5	35	$\pm$ 300 ~ $\pm$ 1000	1.2K//3.0	-20 ~ +70	UM-1.3S * 1	
21S122A		4	3 $\pm$ 6.0	40 $\pm$ 20.0		1.0	2.5	65	$\pm$ 300 ~ $\pm$ 1000	1.2K//2.5	-20 ~ +70	UM-1.3S * 2	
21S151A	21.800	2	3 $\pm$ 7.5	18 $\pm$ 25.0		0.5	1.5	35	$\pm$ 300 ~ $\pm$ 1000	1.5K//2.5	-20 ~ +70	UM-1.3S * 1	
21S152A		4	3 $\pm$ 7.5	40 $\pm$ 25.0		1.0	2.5	65	$\pm$ 300 ~ $\pm$ 1000	1.5K//2.0	-20 ~ +70	UM-1.3S * 2	
21S301A		2	3 $\pm$ 15.0	15 $\pm$ 45.0		0.5	1.5	35	$\pm$ 300 ~ $\pm$ 1000	1.5K//1.0	-20 ~ +70	UM-1.3S * 1	
21S302A		4	3 $\pm$ 15.0	40 $\pm$ 50.0		1.0	2.5	65	$\pm$ 300 ~ $\pm$ 1000	2.2K//0.5	-20 ~ +70	UM-1.3S * 2	

- For Pager (传呼机用)

21S151A	21.400	2	3 $\pm$ 7.5	18 $\pm$ 25.0		1.0	1.5	35	$\pm$ 300 ~ $\pm$ 1000	1.5K//2.5	-20 ~ +70	UM-1.3S * 1
21T151A		2	3 $\pm$ 7.5	18 $\pm$ 25.0		1.0	1.5	35	$\pm$ 300 ~ $\pm$ 1000	1.5K//2.0	-20 ~ +70	UM-5.3S * 1
21T201A	21.800	2	3 $\pm$ 10.0	15 $\pm$ 30.0		1.0	1.5	35	$\pm$ 300 ~ $\pm$ 1000	1.8K//1.5	-20 ~ +70	UM-5.3S * 1

- For cordless telephone (无绳电话用)

10L151A	10.700	2	3 $\pm$ 7.5	18 $\pm$ 25.0		0.5	2.0	35	$\pm$ 300 ~ $\pm$ 1000	3.0K//2.0	-20 ~ +70	HC-49/U.3S * 1
21S071A	21.400	2	3 $\pm$ 3.75	18 $\pm$ 12.5		1.0	2.0	60	(910 $\pm$ 10)	1.5K//6.0	-20 ~ +70	UM-1.3S * 2
21S122A	21.800	4	3 $\pm$ 6.0	40 $\pm$ 20.0		1.5	3.0	80	$\pm$ (910 $\pm$ 10)	1.2K//2.5	-20 ~ +70	UM-1.3S * 2
21S152A		4	3 $\pm$ 7.5	40 $\pm$ 25.0		1.5	3.0	80	$\pm$ (910 $\pm$ 10)	1.5K//2.0	-20 ~ +70	UM-1.3S * 2
58S072AT	58.075	4	3 $\pm$ 3.75	35 $\pm$ 14.0		2.0	4.0	80	$\pm$ (910 $\pm$ 10)	3.0K//0.4	-20 ~ +70	UM-1.3S * 2
58S122AT	58.1125	4	3 $\pm$ 6.0	35 $\pm$ 20.0		2.0	3.0	80	$\pm$ (910 $\pm$ 10)	3.0K//0.4	-20 ~ +70	UM-1.3S * 2
58S152AT	58.1625	4	3 $\pm$ 7.5	28 $\pm$ 25.0		2.0	3.0	80	$\pm$ (910 $\pm$ 10)	3.0K//1.0	-20 ~ +70	UM-1.3S * 2
83S302AT	83.160	4	3 $\pm$ 15.0	20 $\pm$ 60.0		1.5	6.0	65	$\pm$ (910 $\pm$ 10)	2.5K//1.0	-20 ~ +70	UM-1.3S * 2

- For VHF radio (极高频无线通讯用)

45L152AT	45.000	4	3 $\pm$ 7.5	40 $\pm$ 30.0		2.0	3.0	70	$\pm$ 300 ~ $\pm$ 1000	3.0K//1.0	-20 ~ +70	HC-49/U.3S * 2
45S152AT		4	3 $\pm$ 7.5	40 $\pm$ 30.0		2.0	3.0	70	$\pm$ 300 ~ $\pm$ 1000	3.0K//1.0	-20 ~ +70	UM-1.3S * 2
55L171AT	55.845	2	3 $\pm$ 8.5	18 $\pm$ 34.0		2.0	3.0	35	$\pm$ 300 ~ $\pm$ 1000	3.0K//1.0	-20 ~ +70	HC-49/U.3S * 1
55S171AT		2	3 $\pm$ 8.5	18 $\pm$ 34.0		2.0	3.0	35	$\pm$ 300 ~ $\pm$ 1000	3.0K//1.0	-20 ~ +70	UM-1.3S * 1
55S172AT	55.025	4	3 $\pm$ 8.5	25 $\pm$ 25.0		2.0	3.0	70	$\pm$ 300 ~ $\pm$ 1000	3.0K//1.0	-20 ~ +70	UM-1.3S * 2
58S172AT	58.1125	4	3 $\pm$ 8.5	25 $\pm$ 25.0		2.0	4.0	70	$\pm$ 300 ~ $\pm$ 1000	3.0K//1.0	-20 ~ +70	UM-1.3S * 2
70S152AT	70.000	4	3 $\pm$ 7.5	40 $\pm$ 30.0		2.0	6.0	70	$\pm$ 300 ~ $\pm$ 1000	2.5K//1.0	-20 ~ +70	UM-1.3S * 2
90S202AT	90.000	4	3 $\pm$ 10.0	35 $\pm$ 40.0		2.0	6.0	70	$\pm$ 300 ~ $\pm$ 1000	2.5K//1.0	-20 ~ +70	UM-1.3S * 2