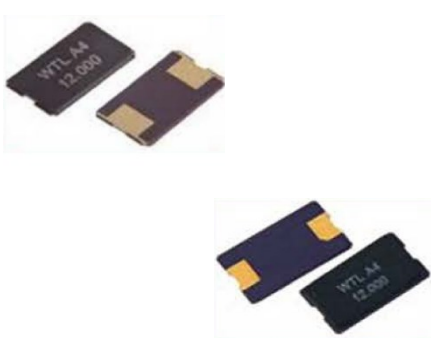


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QUARTZ CRYSTAL

CMS

WTL series	TX8	TX1	TX2	TX3	TX4	TX5	TX6	TX7
Dimension (mm)	1.6*1.2*0.3	2.0*1.6*0.5	2.0*2.5*0.55	3.2*2.5*0.7	4.0*2.5*0.8	5.0*3.2*1.0	6.0*3.5*1.1	7.0*5.0*1.1
Gamme de fréquence	26.00MHz à 66.00MHz	20.00MHz-54.00MHz	12.00MHz-44.00MHz	10.00MHz-48.00MHz	12.00MHz-50.00MHz	8.00MHz-48.00MHz	6.00MHz-80.00MHz	6.00MHz-110.00MHz
Capacité de charge*	8pF, 10pF	8pF, 10pF, 12pF, 20pF	8pF, 9pF, 12pF, 18pF, 20pF	8pF, 9pF, 12pF, 18pF, 20pF	8pF, 9pF, 12pF, 18pF, 20pF	16pF, 20pF, 30pF, 32pF	16pF, 20pF, 30pF, 32pF	16pF, 20pF, 30pF, 32pF
Tolérance de fréquence*	±10ppm ±20ppm	±10ppm, ±30ppm	±10ppm - ±50ppm	±10ppm - ±50ppm	±10ppm - ±50ppm	±10ppm - ±50ppm	±10ppm - ±50ppm	±10ppm - ±50ppm
Stabilité de fréquence*	±10ppm - ±50ppm	±10ppm, ±30ppm	±10ppm - ±50ppm	±10ppm - ±50ppm	±10ppm - ±50ppm	±10ppm - ±50ppm	±10ppm - ±50ppm	±10ppm - ±50ppm
								

WTL series	TG5	TG6	TG7	TG8
Dimension (mm)	5.0*3.2*1.2	6.0*3.5*1.2	7.0*5.0*1.4	8.0*4.5*1.5
Gamme de fréquence	8.00MHz-48.00MHz	8.00MHz-80.00MHz	6.00MHz-80.00MHz	8.00MHz-80.00MHz
Capacité de charge*	16pF, 20pF, 30pF, 32pF	16pF, 20pF, 30pF, 32pF	16pF, 20pF, 30pF, 32pF	16pF, 20pF, 30pF, 32pF
Tolérance de fréquence*	±10ppm - ±50ppm	±10ppm - ±50ppm	±10ppm - ±50ppm	±10ppm - ±50ppm
Stabilité de fréquence*	±10ppm - ±50ppm	±10ppm - ±50ppm	±10ppm - ±50ppm	±10ppm - ±50ppm
				

TRADITIONNEL

WTL series	WX5	WT5	WT9	WX6	WZ6	WX7	WZ7	WM1	WM2
Dimension (mm)	HC-49/U 11.05*4.65 *13.46	HC-50/U 11.05*4.65 *13.5	HC-49T 11.5*5*13.5	HC-49/S 11.05*4.7 *3.5	HC-49/S 7.0*4.0 *2.0	HC-49/ SMD 13.0*4.73* 4.0	HC-49/ SMD 7.0*4.0*2. 0	UM-1 7.8*3.2*7.8 UM-5 7.8*3.2*6.0	UM-1 7.9*3.2*7.7 UM-5 7.9*3.2*5.9
Gamme de fréquence	1.84MHz-150.00MHz	1.80-48.00MHz	1.00-80.00MHz	3.00MHz-100.00MHz	10.00-50.00MHz	3.00MHz-100.00MHz	10.00-50.00MHz	4.00MHz-200.00MHz	6.00-50.00MHz
Capacité de charge*	16pF, 18pF, 20pF, 30 pF	5-50pF	16pF, 20pF, 30 pF	16pF, 18pF, 20pF, 30pF	5 – 50pF	16pF, 18pF, 20pF, 30pF	5 – 50pF	9pF, 50pF	5-50Pf
Tolérance de fréquence*	±10ppm - ±50ppm	±5ppm - ±50ppm	±20ppm	±30ppm à 25 ±2°C	±3ppm - ±50ppm	±30ppm à 25 ±2°C	±3ppm - ±50ppm	±5ppm - ±50ppm	±3ppm - ±50ppm
Stabilité de fréquence*	±10ppm - ±50ppm		±20ppm	±30ppm		±30ppm		±5ppm - ±50ppm	
									

* : Standard ou sur spécification

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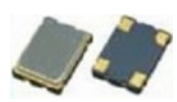
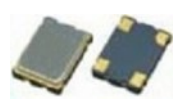
TUNING FORK CRYSTAL

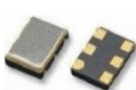
WTL series	TS9	WX1	WX4	WX3	WX2	WA2	WX8	WA3	W12
Dimension (mm)	2.0*1.2	3.2*1.5*0.9	6.9*1.4*1.3	3.8*8.0*2.5	2*6, 3*8	2*6, 3.8	2*6 / SMD	3*8 / SMD	12.4*4.8
Gamme de fréquence	32.76KHz	32.76KHz	32.76KHz	30.00KHz-350.00KHz	30.00KHz-350.00KHz	4.00-60.00MHz	30.00KHz-200.00KHz	4.00-60.00MHz	3.57-27.0MHz
Capacité de charge*	9pF, 12.5pF	6pF, 7pF, 9pF, 12.5pF	6pF, 7pF, 9pF, 12.5pF	6pF - 12.5pF	6pF - 12.5pF	5pF - 50pF	12.5pF	5pF - 50pF	10-32pF&SR
Tolérance de fréquence*	±20ppm	±5ppm, ±10ppm, ±15ppm, ±20ppm	±5ppm, ±10ppm, ±15ppm, ±20ppm	±5ppm - ±100ppm	±5ppm - ±100ppm	±5ppm - ±50ppm	±5ppm - ±100ppm	±5ppm - ±50ppm	±15ppm, ±30ppm & ±50ppm
									

QUARTZ CRYSTAL FILTER

WTL series	WF1	WF7
Dimension (mm)	MCF 11.05*4.65*13.5	7.0*5.0*1.3 SMD
Gamme de fréquence	10.7MHz	21.40, 21.70, 45.00MHz
		

CRYSTAL OSCILLATORS

WTL series	TC1	TC2	TC3	TC5	TC7	TH7	TB2	TB3
Dimension (mm)	2.0*1.6*0.9	3.2*2.0*0.9	3.2*2.5*1.05	5.0*3.2*1.2	7.0*5.0*1.4	7.0*5.0*1.4	2*6 / SMD	3.2*2.5*1.05
Gamme de fréquence	1.62MHz-50.00MHz	32.76KHz - 50.00KHz	32.76KHz - 125.00MHz	13.70KHz - 125.00MHz	13.70KHz-166.00MHz	1.00MHz - 200.00MHz	1.00MHz - 200.00MHz	1.00MHz - 200.00MHz
Capacité de charge*	15pF	15pF	15pF	15pF	15pF	15pF	15pF	15pF
Stabilité de fréquence*	±25ppm - 100ppm	±20ppm, ±25ppm, ±50ppm	±20ppm, ±25ppm, ±50ppm	±20ppm, ±25ppm, ±50ppm	±20ppm, ±25ppm, ±50ppm	±20ppm, ±25ppm, ±50ppm	±20ppm, ±25ppm, ±50ppm	±20ppm, ±25ppm, ±50ppm
								

WTL series	TP5	TP7	TL7	TU7	LO5	LO7	LO1
Dimension	5.0*3.2*1.2	7.0*5.0*1.5	7.0*5.0*1.6	7.0*5.0*1.5	5.0*3.2*1.05	7.0*5.0*1.05	20.4*13.1/12.9*12.9
Gamme de fréquence	80.00MHz-320.00MHz	19.44MHz-320.00MHz	100.00MHz-800.00MHz	70.00MHz - 1700.00MHz	1.55MHz - 125.00MHz	1.54MHz - 150.00MHz	0.25MHz-180.00MHz
Capacité de					15pF—50pF	15pF—50pF	15pF - 50pF
Stabilité de fréquence*	±25ppm, ±50ppm	±25ppm, ±50ppm	±25ppm, ±50ppm	±25ppm, ±50ppm	±25ppm, ±50ppm, ±100ppm	±25ppm, ±50ppm, ±100ppm	±25ppm, ±50ppm, ±100ppm
							

* : Standard ou sur spécification

OSCILLATEURS ET RESONATEURS



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CERAMIC RESONATOR & FILTER

WTL series	ZTA	ZTT	ZTB	ZTD	ZTC	LTC
Dimension (mm)	10.0*5.0*7.5	10.0*5.0*10.0	8.0*3.6*9.3	6.0*2.2*1.0	7.0*4.0*7.0	7.5*6.0*4.0
Gamme de fré-	1.80MHz-50.00MHz	1.80MHz-	190.00KHz-1250.00KHz	7.6MHz-48MHz	10.7MHz	455KHz
Stabilité de fré- quence*	±0.3%	±0.3%	±0.3%	±20ppm - ±50ppm		

VCTCXO / TCXO

WTL series	VC2	VC3	VC5	VH5	VH7
Dimension	2.5*2.0*0.75	3.2*2.5*0.9	5.0*3.2*1.15	5.0*3.2*1.55	7.0*5.0*1.85
Gamme de fréquence	13.000MHz-52.000MHz	10.000MHz- 52.000MHz	10.000MHz-40.000MHz	5.000MHz—52.000MHz	5.000MHz—52.000MHz
Capacité de	10pF	10pF	10pF, 15pF	10pF, 15pF	10pF, 15pF
Tolérance de	±2.0ppm	±2.0ppm	±2.0ppm	±2.0ppm	±2.0ppm
Stabilité de fréquence*	±0.5ppm, ±1.0ppm, ±1.5ppm, ±2.0ppm, ±2.5ppm	±0.5ppm, ±1.0ppm, ±1.5ppm, ±2.0ppm, ±2.5ppm	±0.5ppm, ±1.0ppm	±0.05ppm, ±0.1ppm, ±0.2ppm, ±0.28ppm, ±0.5ppm	±0.05ppm, ±0.1ppm, ±0.14ppm, ±0.28ppm, ±0.37ppm, ±0.5ppm

WTL series	VA7	VT7	VP1	VF2	WT1
Dimension	7.0*5.0*1.85	7.0*5.0*1.85	14.3*8.7*4.9	20.4*12.8*7.8	TCXO 18.5*12.0 (8-10)
Gamme de fréquence	5.00MHz-52.00MHz	5.00MHz-52.00MHz	5.00MHz-40.00MHz	10.00MHz-40.00MHz	1.00MHz-1500MHz
Capacité de	10pF, 15pF	10pF, 15pF	10pF, 15pF		
Tolérance de fréquence*	±2.0ppm	±2.0ppm	±2.0ppm	±2.0ppm	
Stabilité de fréquence*	±0.05ppm, ±0.1ppm, ±0.14ppm, ±0.2ppm, ±0.28ppm	±0.5ppm, ±1.0ppm	±0.05ppm, ±0.1ppm, ±0.14ppm, ±0.2ppm, ±0.28ppm, ±0.37ppm, ±0.5ppm	±0.5ppm, ±1.0ppm,	±0.5ppm, ±5ppm ±, 1ppm, ±10ppm

* : Standard ou sur spécification

OSCILLATEURS ET RESONATEURS



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VCXO

WTL series	LV7	LV1	CV5	CV7	CH7
Dimension (mm)	7.0*5.0*1.6	20.3*12.6*5.0	5.0*3.2*1.32	7.0*5.0*1.6	7.0*5.0*1.6
Gamme de fréquence	1.00MHz-125.00MHz	1.00MHz-80.00MHz	1.50MHz-80.00MHz	1.50MHz-200.00MHz	60.00MHz-200.00MHz
Capacité de	15pF, 50pF	15pF	15pF	15pF	15pF
Stabilité de	±25ppm, ±50ppm,	±25ppm, ±50ppm,	±25ppm, ±50ppm	±25ppm, ±50ppm	±25ppm, ±50ppm

WTL series	PV5	PV7	PH7	PA7	PL4
Dimension (mm)	5.0*3.2*1.2	7.0*5.0*1.6	7.0*5.0*1.6	7.0*5.0*1.6	14.2*9.3*5.5
Gamme de fréquence	60.00MHz-175.00MHz	1.50MHz-200.00MHz	100.00MHz-800.00MHz	200.00MHz-800.00MHz	1.50MHz-700.00MHz
Stabilité de	±25ppm, ±50ppm	±25ppm, ±50ppm	±25ppm, ±50ppm	±25ppm, ±50ppm	±25ppm, ±50ppm

OCXO

WTL series	OCD	OCH	OLH	OSD	OSH	OCW
Dimension (mm)	14.3*9.3*6.0	20.3*12.7*11.0	25.4*25.4*12.7	25.4*22.1*11.0	36.3*27.2*12.7	20.6*20.6*11.0
Gamme de fréquence	5.00MHz-40.00MHz	5.00MHz-40.00MHz	5.00MHz-100.00MHz	5.00MHz-40.00MHz	5.00MHz-100.00MHz	5.00MHz-40.00MHz
Capacité de charge*	15pF	15pF	15pF	15pF	15pF	15pF
Stabilité de fréquence*	±50ppm, ±100ppm, ±200ppm	±50ppm, ±100ppm, ±200ppm	±3ppm, ±5ppm, ±10ppm	±5ppm, ±10ppm, ±20ppm	±3ppm, ±5ppm, ±10ppm	±5ppm, ±10ppm, ±20ppm

SAW DEVISE

WTL series	WSF	WSR
Dimension (mm)	TO-39, F11, D11, S6, S20	TO-39, F11, D11, S6, S20

* : Standard ou sur spécification

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