


## Linecard 2025

### Discrete Active Components Timing Devices


Oscillator, Crystal, Crystal Filter;  
Product Availability Timing Device


02.2025

## OSCILLATOR

Product type	Product number	Series	Frequency [MHz] min. – max.		Package	Supply Voltage [V]	Output level	Features
<b>Oscillator</b> 	SH14 / H8	SH14 / H8	0.3	160	DIL-14 / DIL-8	1.8 – 5.0	CMOS	
	SH214	SH214	1	60	2.0 x 1.6 x 0.8	1.8 – 3.3	CMOS	Low Jitter
	SH224	SH224	0.3	160	2.5 x 2.0 x 0.9	1.8 – 5.0	CMOS	Low Jitter
	SH324	SH324	0.3	160	3.2 x 2.5 x 1.0	1.8 – 5.0	CMOS	
	SH534	SH534	0.3	160	5.0 x 3.2 x 1.2	1.8 – 5.0	CMOS	Automotive
	SH754	SH754	0.3	160	7.0 x 5.0 x 1.4	1.8 – 5.0	CMOS	

## CRYSTAL

Product type	Product number	Series	Frequency [MHz] min. – max.		Package	Load Capacitor
<b>Crystal</b> 	H11	H11	24	96	1.6 x 1.2 x 0.4	8pF - 32pF
	H21	H21	16	64	2.0 x 1.6 x 0.5	8pF - 32pF
	H22	H22	12	200	2.5 x 2.0 x 0.6	8pF - 32pF
	H32	H32	8	200	3.2 x 2.5 x 0.7	8pF - 32pF
	H53	H53	8	200	5.0 x 3.2 x 0.8	8pF - 32pF
	H75	H75	6	200	7.0 x 5.0 x 1.0	8pF - 32pF

Product type	Product number	Series	Frequency [kHz] min. – max.		Package	Load Capacitor
<b>Tuning fork</b> 	H2012	H2012	32.768	32.768	2.0 x 1.2 x 0.55	7pF - 12.5pF
	H3215	H3215	32.768	32.768	3.2 x 1.5 x 0.8	7pF - 12.5pF
	HT26	HT26	32.768	32.768	Ø2.0 x 6.0	7pF - 12.5pF
	HT38	HT38	32.768	32.768	Ø3.0 x 8.0	7pF - 12.5pF

## CRYSTAL FILTER

Product type	Product number	Series	Frequency [MHz]	Package	Pass bandwidth [kHz]	Tandem / Set
<b>Crystal Filter</b> 	HQ	HQ	21.4	7.0 x 5.0	±3.75 ~ ±15	2
	HQ	HQ	21.4	7.0 x 5.0	±3.75 ~ ±15	4
	HQ	HQ	21.7	7.0 x 5.0	±7.5 ~ ±15	2
	HQ	HQ	21.7	7.0 x 5.0	±7.5 ~ ±15	4
	HQ	HQ	45.0	7.0 x 5.0	±3.75 ~ ±15	2
	HQ	HQ	45.0	7.0 x 5.0	±3.75 ~ ±15	4

## PRODUCT AVAILABILITY TIMING DEVICE

	Holy Stone	Epson	Taitien	NDK	KDS	Jauch	Microchip
Crystal Units	●	●	●	●	●	●	●
Crystal Oscillator	●	●	●	●	●	●	●
TCXO	●	●	●	●	●	●	●
VCXO	●	●	●	●	●	●	●
Crystal Filter	●			●	●		

### Sales

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