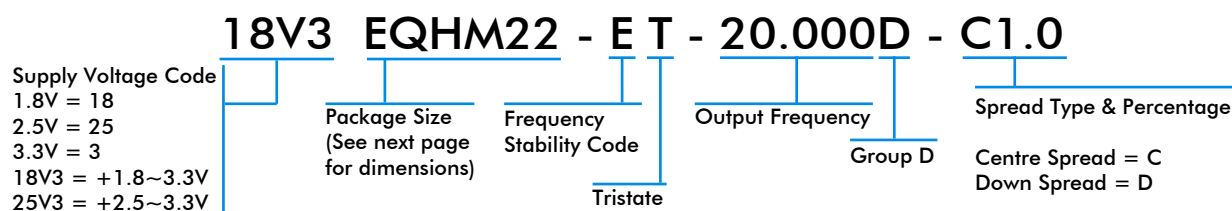


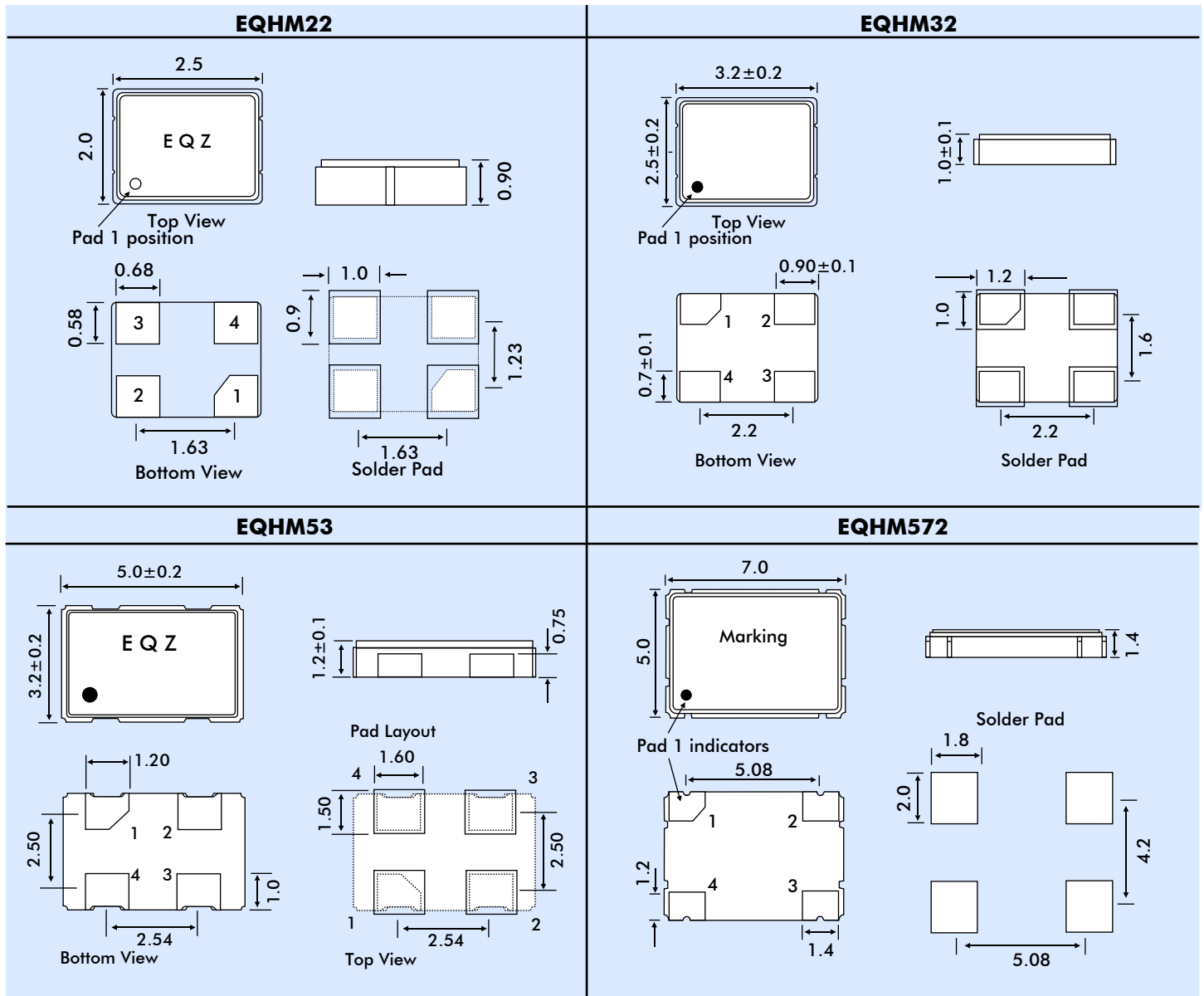
FEATURES

- Reduces electromagnetic interference (EMI) by 18dB (typ.) @100MHz, C2.0, 3.3V
- Wide operating range from 1.8V to 3.3V
- Reduces system complexity


ELECTRICAL SPECIFICATION

Type		EQHM22		EQHM32		EQHM53		EQHM572	
Dimensions		2.5x2.0x0.9mm		3.2x2.5x1.0mm		5.0x3.2x1.2mm		7.0x5.0x1.4mm	
Supply Voltage		1.8V		2.5V		3.3V		1.8V ~ 3.3V	
Frequency Range		1 ~ 125MHz		1 ~ 160MHz		1 ~ 160MHz		1 ~ 125MHz	
Output Logic ‘High’ (min.)		1.62V		2.25V		2.97V		90% of Vdd	
Output Logic ‘Low’ (max.)		0.18V		0.25V		0.33V		10% of Vdd	
Current Consumption (max.)	1~60MHz	12mA		13mA		14mA		14mA	
	<60~125MHz	15mA		18mA		19mA		19mA	
	<125~160MHz	--		22mA		24mA		--	
Rise/Fall Time (Tr)		10ns max., Measured between 10% ~ 90% of wave form (CL = 15pF)							
Load		15pF typical							
Start-up Time		6ms (typ.) ; 10ms (max)							
Storage Temperature		-55°C to +150°C							
Aging (at 25°C)		±3ppm per year max.							
Duty Cycle		50% ±5%							
Enable/Disable		80% of supply voltage (min.) to enable output							
		20% of supply voltage (max.) to disable output							
		Disable current: 1mA (typ.) Disable time: 1usec. (max.)							
Output Waveform		CMOS							
EMI Reduction		18dB (typ.), 100MHz at C2.0, 3.3V							
		12dB (typ.), 100MHz at C0.5, 3.3V							
		5dB (typ.), 100MHz at C0.0625, 3.3V							
Modulation Carrier Freq. (Dither Rate)		24.8kHz (min.); 33.6kHz (max.) Frequency dependent, contact for details							
Spread Type		Total %		Down Spread (code)			Centre Spread (code)		
Spread Percentage		4.0%		--			±2.0% (C2.0)		
		3.0%		--			±1.5% (C1.5)		
		2.0%		-2.0% (D2.0)			±1.0% (C1.0)		
		1.5%		-1.5% (D1.5)			--		
		1.0%		-1.0% (D1.0)			±0.5% (C0.5)		
		0.5%		-0.5% (D0.5)			±0.25 (C0.25)		
		0.25%		-0.25% (D0.25)			±0.125 (C0.125)		
		0.125%		-0.125% (D0.125)			±0.0625% (C0.0625)		
Frequency Stability Codes		Frequency Stability over Operating Temperature Range			±50ppm		from -40°C to +85°C (Code ‘E’) from -40°C to +105°C (Code ‘H’)		

PART NUMBERING SYSTEM



Pad Connections

- 1 Enable/disable
- 2 Ground
- 3 Output
- 4 Supply Voltage