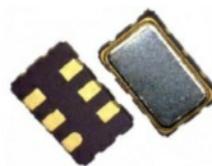


## CRYSTAL EMBEDDED BUFFER OSCILLATOR 10MHz to 40MHz

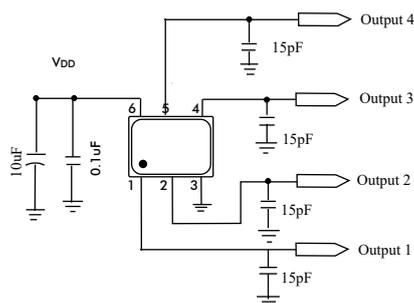
### FEATURES

- 4 output with the same frequency stability
- Output CMOS
- 4 output with the same signal phase
- Low Phase Noise
- ITAR Free

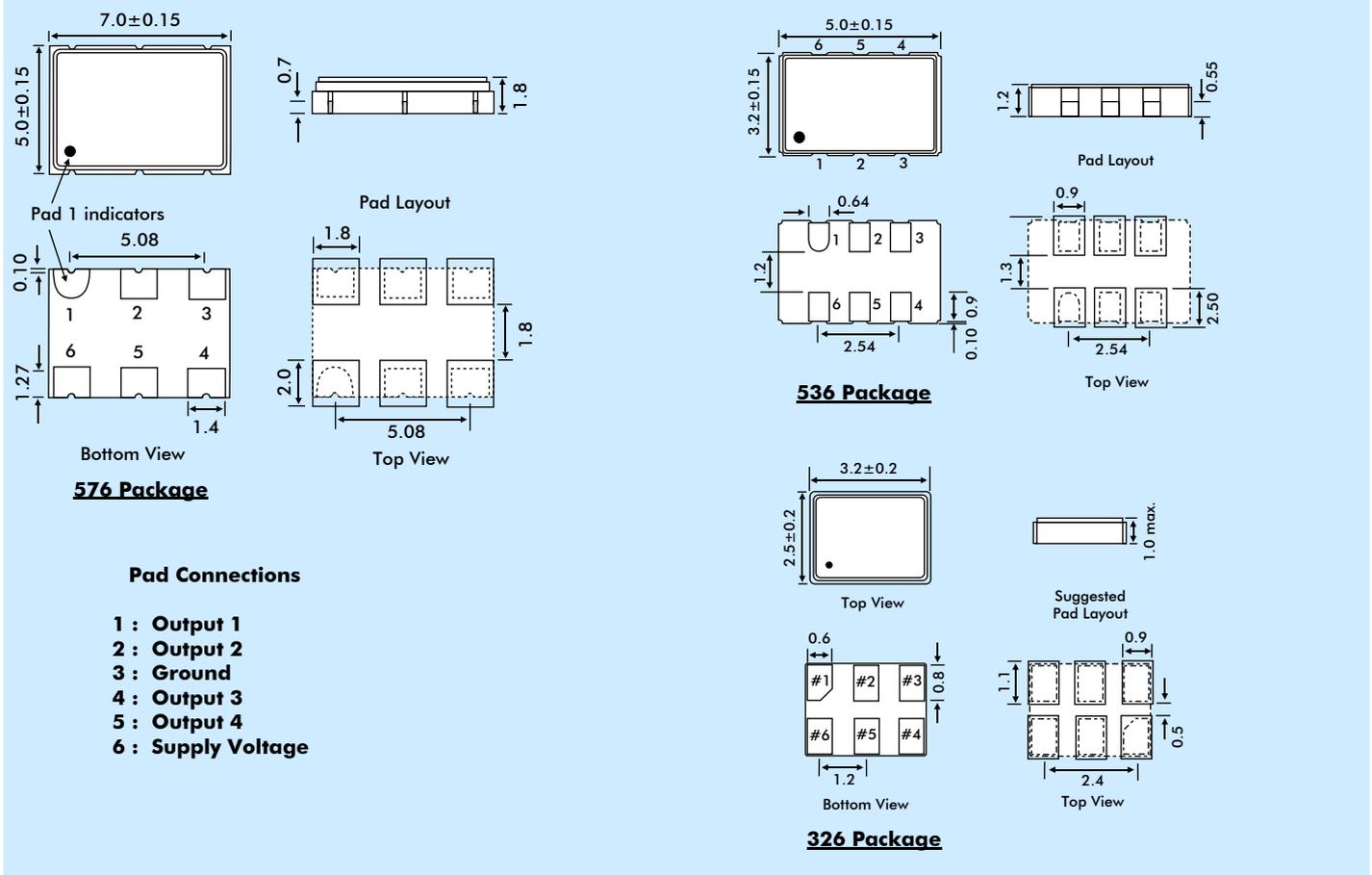


### GENERAL SPECIFICATIONS

		EHW Series [CMOS]							
Model		EHW326		EHW536		EHW576			
Dimensions		3.2 x 2.5 x 1.0mm		5.0 x 3.2 x 1.2mm		7.0 x 5.0 x 1.8mm			
Frequency Range		16.0 ~ 40.0MHz		10.0 ~ 40.0MHz		10.0 ~ 40.0MHz			
Number of Outputs		4		4		4			
Supply Voltage (VDD)		2.5V ±5%				3.3V ±5%			
Current Consumption with 4 o/p load		8mA (Typ) 18mA (Max)			10mA (Typ) 20mA (Max)				
Output Logic "High", "1"		2.25V (Min)				2.97V (Min)			
Output Logic "Low", "0"		0.25V (Max)				0.33V (Max)			
Rise Time (Tr) / Fall Time (Tf)		1.0nsec (Typ) ; 10.0 nsec (Max) Measured between 10% ~ 90% VDD							
Frequency Stability Codes	Frequency stability over operating temp. Range		±25ppm	±50ppm	±100ppm	If non-standard please enter the desired stability after the 'C' or 'I' Example: 'C20' is ±20ppm/-10° to +70°C. 'I30' ±30ppm / -40 to +85°C			
	Commercial -10° to +70°C		A	B	C				
	Industrial -40° to 85°C		D	E	F				
Output Load		15pF per output : Please connect 15pF to unused output pads							
Start-Up Time		1.0mS (Typ) ; 5.0mS (Max)							
Duty Cycle		50% ±10%							
Storage Temperature		-50±C to +150°C							
Aging Ta= +25°C		±3ppm (Max) first year							
RMS Jitter [12kHz ~ 20MHz]		0.1psec (Typ) ; 0.5psec (Max)							
Phase Noise	Offset	10Hz	100Hz	1kHz	10kHz	100kHz	1MHz	10MHz	
[25MHz , 3.3V]	DBc/Hz	-82	-115	-141	-153	-165	-166	-168	



### OUTLINE & DIMENSIONS



### PART NUMBERING

EHW oscillator part numbers are configured as per the following example: EHW-3-576-E-30.00

**EHW - 3 - 576 - E - 30.0MHz**

