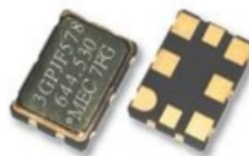


FEATURES

- Ultra Low RMS Jitter
- Available in 3.2 x 2.5mm, 5.0 x 3.2mm and 7.0 x 5.0mm packages
- Applications Include: High Resolution Audio & Video; High Speed Data Converters; Storage Area Networks



General Specifications at Ta = +25°C

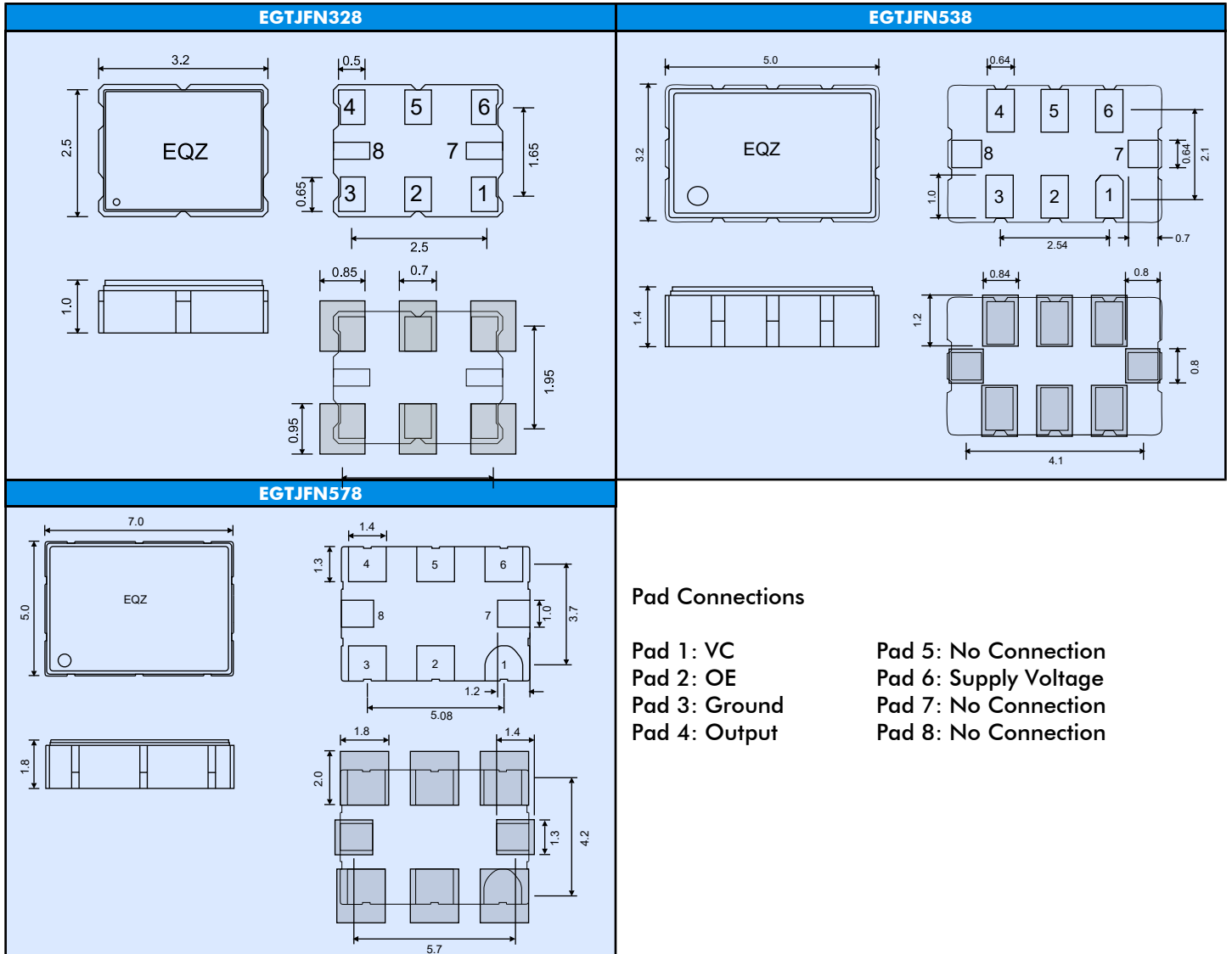
Output Logic	CMOS		
Model	EGTJFN		
Package Size (mm)	EGTJFN328 (3.2 x 2.5 x 1.4)	EGTJFN538 (5.0 x 3.2 x 1.4)	EGTJFN578 (7.0 x 5.0 x 1.8)
Supply Voltage (V _{DD})	+1.8V ±5%	+2.5V ±10%	+3.3V ±10%
Frequency Range	15MHz (min.) 250MHz (max.)		
Output Logic "High", "1"	V _{DD} - 0.4V (min.)		
Output Logic "Low", "0"	V _{DD} x 0.1V (max.) 0.3V (max.) For 1.8V only		
Output Load	15pF (max.)		
Current Consumption (V _{DD} = +3.3V)	75 mA (typ.) 90 mA (max.)		
Disable Current	63 mA (typ.)		
Rise / Fall Time	5.0 nsec. (max.) (10% to 90% Waveform)		

Frequency Stability Code	Frequency Stability Over Operating Temperature Range	±25 ppm	±50 ppm	±100 ppm
	Commercial (-10°C to +70°C)	A	B	C
	Industrial (-40°C to +85°C)	D	E	F

Duty Cycle	50±5%
Start-up Time	5 nsec. (Typ.) ; 10 nsec. (Max.)
RMS Jitter (typ.) (12KHz to 20MHz)	156.250MHz: 159 fsec
Storage Temperature	-55°C to 150°C
Aging at Ta = +25C	±3 ppm (max.) First year ; ±2 ppm (max.) per year thereafter
Enable / Disable Time	2.5 msec (max.) / 10usec. (max)

Control Voltage Center	+0.9V (V _{DD} = +1.8V)	+1.25V (V _{DD} = +2.5V)	+1.65V (V _{DD} = +3.3V)
Control Voltage Range	0V ~ +1.8V	+0.25V ~ +2.25V	+0.3V ~ +3.0V
Frequency Pulling Range	±100 ppm (min.) ±200 ppm (available)	±100 ppm (min.) ±200 ppm (available)	±100 ppm (min.) ±200 ppm (available)
Linearity	±1% (typ.); 10% (max.)		
Transfer Function	Positive Transfer		
Input Impedance	5MΩ (min.)		
Bandwidth	10KHz (typ.) Measured at -3dB		

Outline Dimensions (in mm) and suggested pad layout



Pad Connections

- Pad 1: VC
- Pad 2: OE
- Pad 3: Ground
- Pad 4: Output
- Pad 5: No Connection
- Pad 6: Supply Voltage
- Pad 7: No Connection
- Pad 8: No Connection

Part Number Format

EGTJFN part numbers are derived as follows:
 Example: 125.000/25EGTJFN578E150M

