

Product Data (SMO-N)

TCO-786ZH, 787ZH

Features

- CMOS/TTL output
- Small size : 7W × 5D × 2Hmm
- Enable/Disable control (Oscillation standby function)
- Low operating voltage (+3.3V)

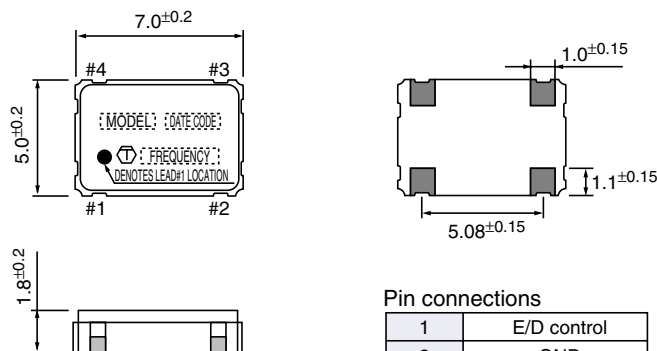


Specifications

Type		TCO-786ZH	TCO-787ZH
Frequency	fo	1.5 to 80 MHz	
Frequency stability*	Δf/fo	±50 ppm	±100 ppm
Operating temperature	Topr	0 to +70°C	
Supply voltage	Vcc	+3.3 VDC±10 %	
Supply current	Icc	6 mA Max. (1.5 ≤ fo ≤ 12 MHz)	25 mA Max. (28 ≤ fo ≤ 40 MHz)
		10 mA Max. (12 < fo ≤ 26 MHz)	35 mA Max. (40 < fo ≤ 70 MHz)
		15 mA Max. (26 < fo ≤ 28 MHz)	45 mA Max. (70 < fo ≤ 80 MHz)
Input voltage	V _{IH}	70% Vcc Min.	
	V _{IL}	30% Vcc Max.	
Output voltage	V _{OH}	90% Vcc Min.	
	V _{OL}	10% Vcc Max.	
Symmetry	SYM	45 to 55% (50% Vcc level)	
		40 to 60% (+1.4 V level)	
Rise/Fall time	tr/ff	6 nSec. Max. (1.5 ≤ fo ≤ 36 MHz)	4 nSec. Max. (36 < fo ≤ 80 MHz)
		at 20 to 80% Vcc (CMOS)	
		at +0.4 to +2.4 V (TTL)	
Load capacitance	CL	30 pF Max.	
Fanout	n	5 Max.	
Start-up time	t _{st}	10 mSec. Max. (1.5 ≤ fo ≤ 80 MHz)	
Measuring circuit		TEST-2, 4	
Sealing		Glass sealed	

* Inclusive of calibration tolerance at +25°C, operating temperature, operating voltage range.

Outline Drawing [mm]



Pin connections

1	E/D control
2	GND
3	Output
4	Vcc (DC)