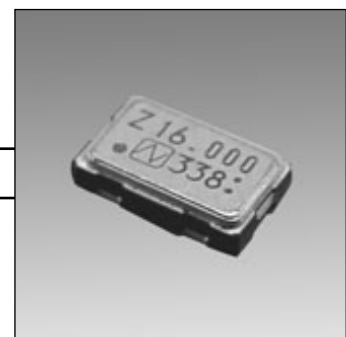


CRYSTAL CLOCK OSCILLATORS

NEW LOW SUPPLY VOLTAGE TYPE

2725Z SERIES



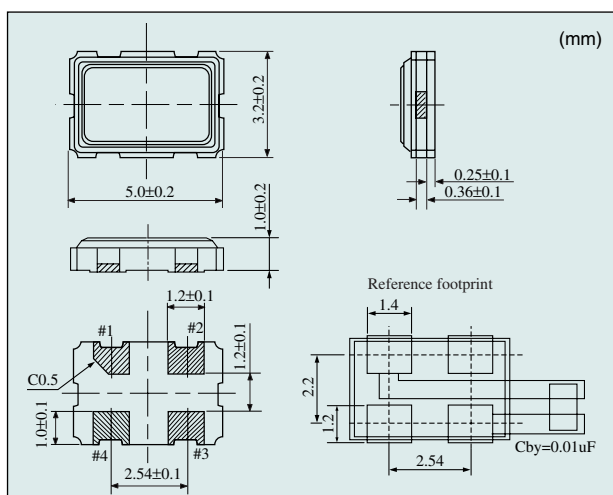
■ Features

- Power saving type enabling drive by 1.8 V power voltage.
- Height compatible with slim IC package (TSSOP, TVSOP).
- Half the area and 1/3 the volume of 2500 Series package (5.0×3.2×1.0mm).
- Ultra light weight (0.06g).
- The best choice for DVC, DSC, NOTE PC and PDA.
- Directly drives C-MOS IC.
- Current Consumption in stand-by state is 3μA or less.
- Embossed carrier tape and IR reflow are possible.
- Products that are lead-free.

■ Absolute Maximum Rating
 Supply Voltage (V_{DD}) -0.5~+7.0V DC
 Storage Temperature Range -40~+85°C

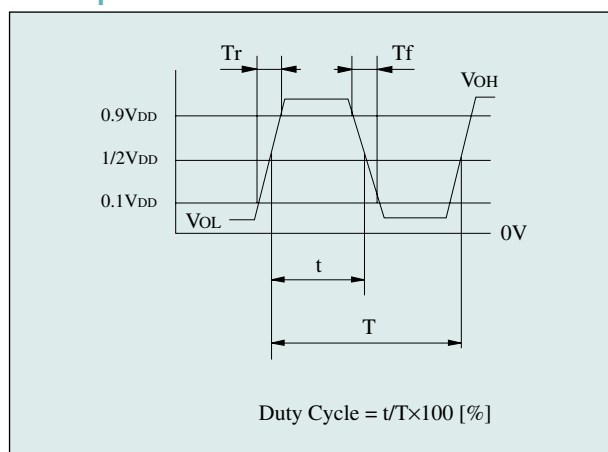
Item	Model	2725Z
Output Level		C-MOS
Frequency Range	(MHz)	2.5 ~ 33.8688
Frequency Stability /Operating Temp. Range	(×10 ⁻⁶)/(°C)	±100 / -20 ~ 70 ±50 / -10 ~ 70 ±30 / -10 ~ 60
Supply Voltage	(V)	+1.80 ± 0.09
Current Consumption (+1.8V, at 25°C)		2.0mA max (1.0mA Typ.)
	stand-by	3μA max
V _{OL} max / V _{OH} min	(V)	0.1V _{DD} / 0.9V _{DD}
Tr max/Tf max	(ns)	6/6 (0.1V _{DD} ~0.9V _{DD})
Duty Cycle	(%)	40 ~ 60 (at 1/2V _{DD})
Fanout (gate)	CL (pF)	5
Stand-by Function	Tri-state	Yes

■ 2725Z Series Outline



PAD No.	Connection
# 1	STAND-BY
# 2	GND
# 3	OUTPUT
# 4	V _{DD}

■ Output Wave <C-MOS>



■ Stand-by Function <Tri-state>

# 1 input	# 3 output
H level (0.7V _{DD} ≤ V _{IH} ≤ V _{DD}) or open	Operating
L level (+0.3 V _{DD} max)	High impedance