

Programmable Type

2785V SERIES



■ Features

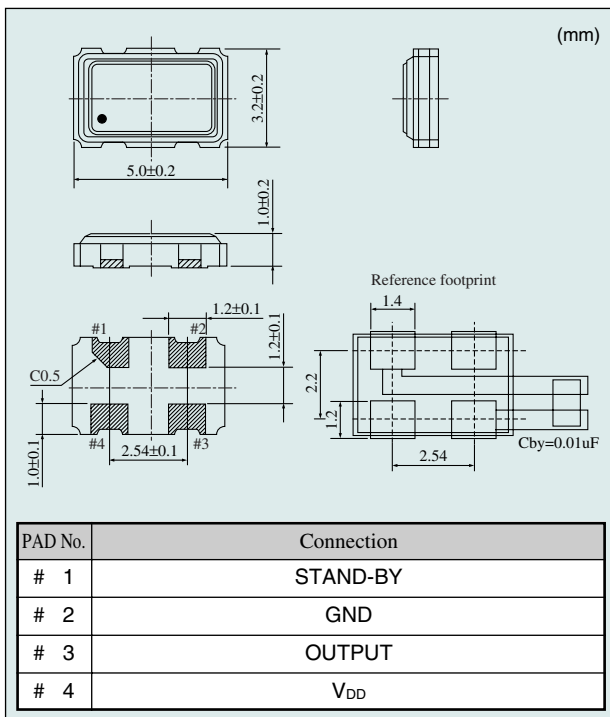
- Supply voltage 5.0V.
- Directly drives TTL IC.
- The PLL technology enables this series to cover the frequency range from 1 to 125MHz.
- The frequency writing technology makes quick delivery possible.
- Height compatible with slim IC package (TSSOP, TVSOP). (5.0×3.2×1.0mm)
- Half the area and 1/3 the volume of 2500 Series package.
- Ultra light weight (0.06g).
- The best choice for portable PC, PDA and PC card.
- Current Consumption in stand-by state is 50μA or less.
- Embossed carrier tape and IR reflow (lead-free) are possible.

■ Absolute Maximum Rating

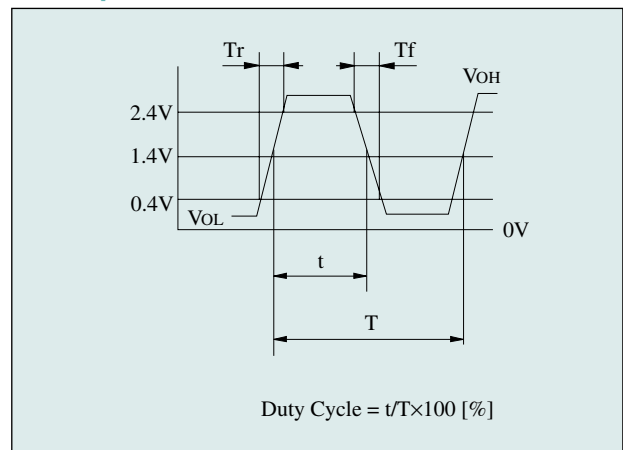
Supply Voltage (V_{DD}) -0.5~+7.0V DC
Storage Temperature Range -40~+85°C

Item	Model	2785V		
Output Level		TTL		
Frequency Range	(MHz)	1≤F≤40	40<F≤70	70<F≤125
Frequency Stability /Operating Temp. Range	(×10 ⁻⁶)/(°C)	±100/-20~+70 (Standard Model), ±50/-10~+70		
Supply Voltage (V _{DD})	(V)	+5±10%		
Current Consumption (+5V, at 25°C)		25mA (max)	40mA (max)	50mA (max)
	stand-by	50μA (max)		
V _{OL} max / V _{OH} min	(V)	0.4/2.4 I _{OL} =8mA, I _{OH} =-8mA		
Tr max/Tf max	(ns)	2.5/2.5 (0.4V~2.4V)		
Duty Cycle	(%)	40~60 (at 1.4V)		
Fanout (gate)	TTL-GATE	5		
Stand-by Function	Tri-state	Yes		

■ 2785V Series Outline



■ Output Wave <TTL>



■ Stand-by Function <Tri-state>

# 1 input	# 3 output
H level (+2 V _{DD} min) or open	Operating
L level (+0.8 V _{DD} max)	High impedance (Weak pull down)