

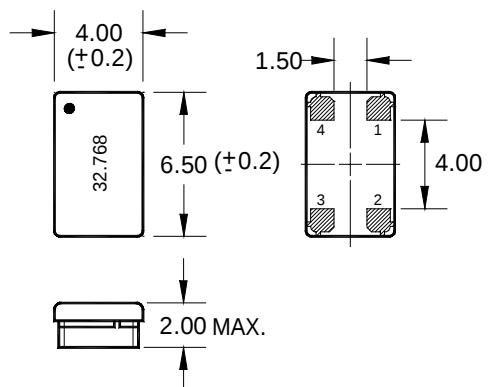
ISM32

SMD 32.768 kHz. HCMOS

Frequency	32.768KHz
Output	HCMOS
Level	V_{OH} : $0.9V_{DD}$ Min / V_{OL} : $0.1V_{DD}$ Max.
Duty Cycle	50% +/- 5% (@ $1/2 V_{CC}$ @ 3.3V @ 25°C)
Rise Time/Fall Time	200ns max
Output Load	15pF Max
Stability	
Frequency vs.Temperature	$G = \pm 30$ ppm , $H = \pm 60$ ppm
Frequency Calibration Tolerance	$\pm 30 \sim \pm 60$ ppm
Supply Voltage	$3.3V \pm 10\%$
Current	TYP.: $8\mu A/3.3V$. MAX: $15\mu A/3.3V$
Temperature	
Operating	$0^{\circ}C \sim +70^{\circ}C$
Storage	$-40^{\circ}C \sim +85^{\circ}C$
Part number	ISM32-315xx-32.768

Part Number Guide		Sample Part #: ISM32-3153GO –32.768					
ISM32	Input Voltage	Operating Temp	Symmetry (Duty Cycle)	Output	Stability (in ppm)	Enable/Disable	Frequency
	3 = 3.3V	1 = $0^{\circ}C \sim +70^{\circ}C$	5 = 45/55 max	3 = HCMOS	$G = \pm 30$	O = None	32.768 KHz
					$H = \pm 60$		

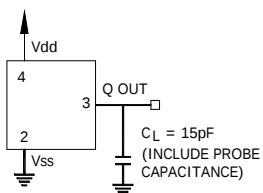
DIMENSION UNITS: mm



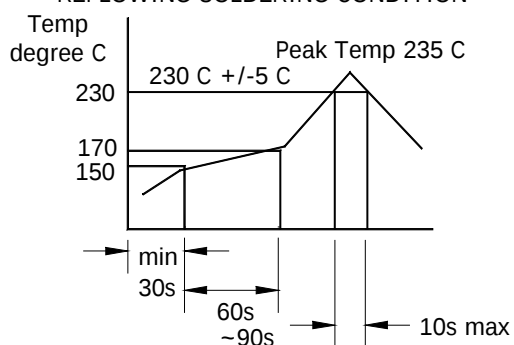
PIN CONNECTIONS

- 1 NC
- 2 GROUND (Vss)
- 3 OUTPUT
- 4 3.3V (Vdd)

MEASUREMENT CIRCUIT



REFLOWING SOLDERING CONDITION



ILSI America

5458 Louie Lane Reno, NV 89511 Phone: 775-851-8880 • Fax: 775-851-8882

• email: e-mail@ilsiamerica.com • www.ilsiamerica.com

Specifications subject to change without notice