

2.5 x 2.0 x 0.95 mm 32.768kHz CERAMIC SURFACE MOUNT CRYSTAL OSCILLATOR



2.5 x 2.0 x 0.95 mm

ASDK Series



RoHS Compliant

FEATURES:

- 32.768kHz in 2.5 x 2.0 package
- Seam sealed assure high reliability performance
- Low current consumption
- IR-Reflow capable
- Extend temperature range available

APPLICATIONS:

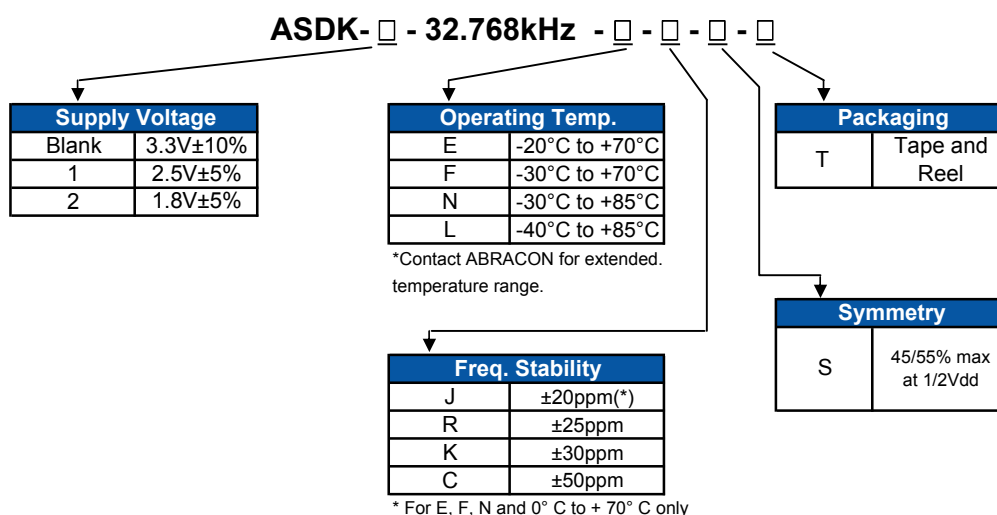
- Laptop
- Digital camera
- Wireless LAN
- Bluetooth and mobile communication
- LCD
- PDA and MP3 player
- Electricity, gas and water metering

STANDARD SPECIFICATIONS:

PARAMETERS

ABRACON P/N	ASDK Series
Frequency	32.768kHz
Operating Temperature	0°C to + 70°C (see options)
Storage Temperature	- 55°C to + 125°C
Overall frequency stability:	±100 ppm max. (see options)
Supply voltage (Vdd):	3.3 Vdc ± 10% (see options)
Supply current:	1.0mA typical, 1.5mA max.(Vdd= 1.8V±5%) 1.2mA typical, 2.5mA max.(Vdd= 2.5V±5%) 2.2mA typical, 3.5mA max.(Vdd= 3.3V±10%)
Symmetry:	40/60 % max.@ 1/2Vdd (see options)
Rise and fall time (Tr/Tf):	43ns typical, 50 ns max
Output load:	15pF
Output voltage:	VOH = 0.9 * Vdd min. VOL = 0.1 * Vdd max
Start-up time:	28ms typical, 35ms max
Tri-state function :	Logic "1" or open: Oscillation Logic "0" (VIL < 0.8 Vdc) : Hi z
Aging at 25°C :	± 3ppm/year

OPTIONS AND PART IDENTIFICATION (Left blank if standard)



2.5 x 2.0 x 0.95 mm 32.768kHz CERAMIC SURFACE MOUNT CRYSTAL OSCILLATOR

ASDK Series

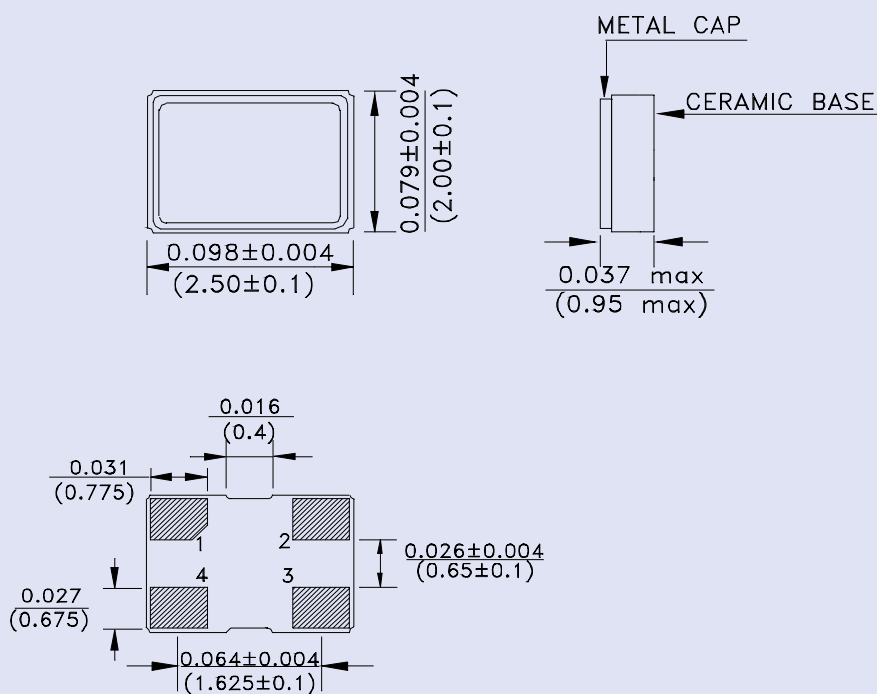


RoHS Compliant

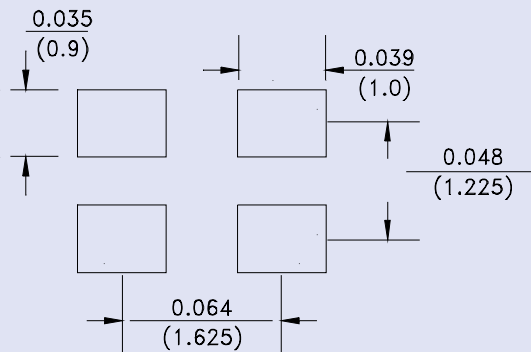


2.5 x 2.0 x 0.95 mm

OUTLINE DRAWING:



Recommended Land Pattern

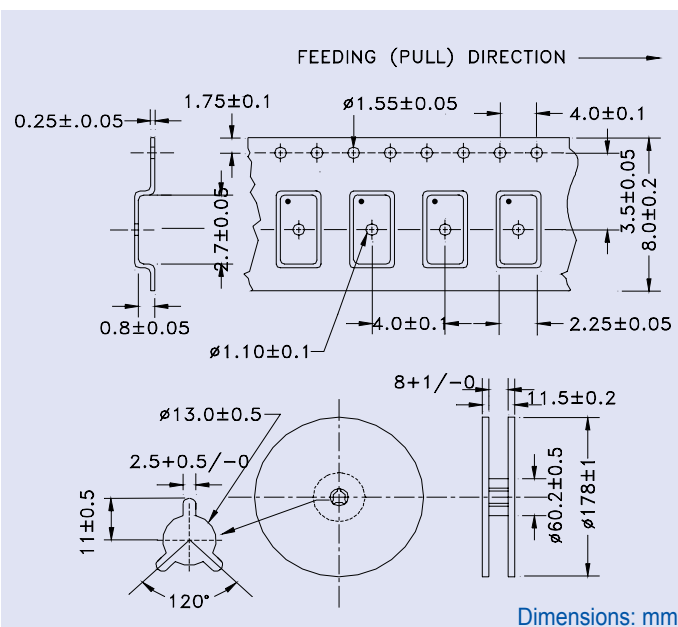


PIN	FUNCTION
1	Tri-state
2	GND
3	Output
4	Vdd

Note: Recommend using an approximately 0.01uF bypass capacitor between PIN 2 and 4.

Dimensions: inches (mm)

TAPE & REEL: (1,000pcs/reel)



Dimensions: mm

REFLOW PROFILE

