

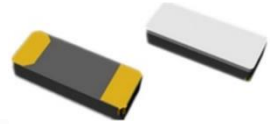
KHZ SMD CRYSTALS

MAIN FEATURE

- 32.768KHz • Ultra-Small Package • 2 Pads

RFQ

Request For Quotation



APPLICATION

- Smart phone and mobile communication and more

STANDARD SPECIFICATION

L4.1*W1.5*H0.90mm

Parameter	Value			Unit	Condition	
	Min.	Type	Max.			
Frequency Range	-	32.768	-	KHz	CL: 6.0pF, 7.0pF, 9.0pF Available or Specify	
Oscillation Mode	AT Fund.					
Frequency Tolerance	-	±20		ppm		@25 °C or Specify
Operating Temperature Range	-40	-	+85	°C		
Storage Temperature Range	-55	-	+125	°C		
Load Capacitance (CL)	-	12.5	-	pF		
Frequency/Temp Coefficient	-	-	0.04	ppm/C ²		
Turnover Temp	+20	+25	+30	°C		
Equivalent Series Resistance		-	70	Kohm		
Drive Level	-	-	0.5	μW		
Shunt Capacitance	-	1.3	2.0	pF		
Dynamic Capacitance	-	2.1	-	Ff		
Quality Factor		60000				
Capacitance Ratio	-	450	-			
Aging per year	-	±3		ppm/year		
Insulation Resistance	500	-	-	Mohm		@ 100Vdc ± 15V

PART NUMBER GUIDE

Example: CCMJ 32K768A20-12.5-40-70 TLF

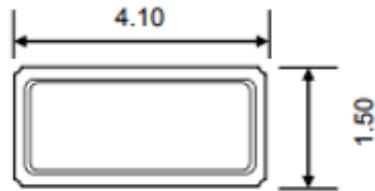
CCMJ	32K768	A	20	-12.5	-40	-70	T	LF	XX
1	2	3	4	5	6	7	8	9	10

- 1) CCMJ: KHz SMD Crystals L4.1*W1.5*H0.90mm
- 2) 32K768: Frequency Range 32.768KHz
- 3) A: Oscillation Mode, A: AT Fund.
- 4) 20: Freq. tolerance, 20: +/-20ppm
- 5) 12.5: Load Capacitance(CL), 12.5: 12.5pF or Specify CL value
- 6) 40: Operating Temp. Range, 40: -40°C ~+85°C
- 7) 70: Equivalent Series Resistance (ESR), 70: 70 Kohm Max.
- 10) T: Package in Tape/Reel, 3000pcs/Reel
- 10) LF: RoHS Compliant
- 11) XX: Intenal Control Code, 2 letter or digits; Blank: N/A

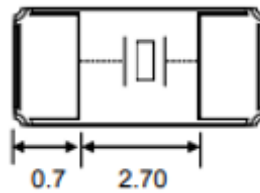
KHZ SMD CRYSTALS

DIMENSION (Unit: mm, Tol.: +/-0.1mm)

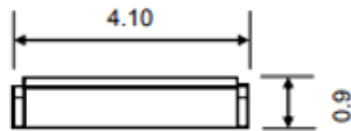
Top View



Bottom View



Side View



Solder Pattern

