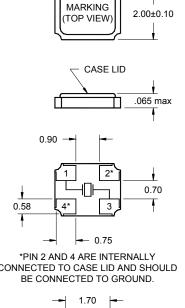


4 Pad Ceramic Crystal, 2.0 mm x 2.5 mm

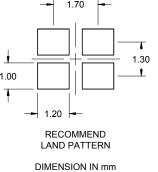
| Product Feature: SMD Package Small package Foot Print Supplied in Tape and Reel Compatible with Leadfree Process Fundamental Mode up to 80.0 MF | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------|
| Frequency | 12.0 MHz to 80.0 MHz | |
| ESR (Equivalent Series Resistance) | | |
| 12 MHz – 19.9 MHz 20 MHz – 29.9 MHz 30 MHz – 39.9 MHz 40 MHz – 60.0 MHz 60 MHz – 80.0 MHz | 100 Ω Max. 80 Ω Max. 60 Ω Max. 40 Ω Max. 40 Ω Max | |
| Shunt Capacitance (C0) | 3.5 pF Max. | 0. |
| Frequency Tolerance @ 25° C | ±30 ppm Standard (see Part Number Guide for more options) | |
| Frequency Stability over Temperature | ±50 ppm Standard (see Part Number Guide for more options) | CON |
| Crystal Cut | AT Cut | |
| Load Capacitance | 18 pF Standard (see Part Number Guide for more options) | |
| Drive Level | 100 μW Max. | |
| Aging | ±3 ppm Max. / Year Standard | _ 1.(|
| Temperature | | 7 |
| Operating | 0° C to +70° C Standard (see Part Number Guide for more options) | |
| Storage | -40° C to +85° C Standard | |
| Notes: | | |

Pb Free RoHS





2.50±0.10



| art Number Gui | de | Sample Part Number: | ILCX18 - FB1F | 18 - 20.000 | | |
|-----------------|-------------------------------------------|--------------------------------------------------|--------------------------------|--------------------|------------------------------|--------------|
| Package | Tolerance (ppm) at Room Temperature | Stability (ppm) over Operating Temperature | Operating Temperature Range | Mode (overtone) | Load Capacitance (pF) | Frequency |
| | B = ±50 ppm | i0 ppm B = ±50 ppm 0 = 0°C to +50°C | | | | |
| | F = ±30 ppm | F = ±30 ppm | 1 = 0°C to +70°C | | 18 pF Standard Or Specify | - 20.000 MHz |
| ILCX18 - H = ±2 | G = ±25 ppm | G = ±25 ppm | 2 = -10°C to +60°C | F = Fundamental | | |
| | H = ±20 ppm | H = ±20 ppm | 3 = -20°C to +70°C | | | |
| | l = ±15 ppm | I = ±15 ppm** | 5 = -40°C to +85°C | | | |
| | J = ±10 ppm* | J = ±10 ppm** | 9 = -10°C to +50°C | | | |
| | | | D = -10°C to +105°C* | | | |
| | | | E = -40°C to +105°C* | | | |

** Not available for all temperature ranges.

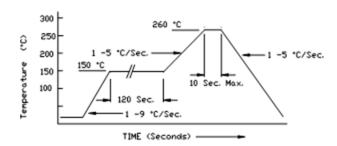
CEOB2B晶振平台-全球最专业的晶振在线采购查询平台http://www.crystal95.com

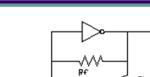


4 Pad Ceramic Crystal, 2.0 mm x 2.5 mm

Pb Free RoHS

Pb Free Solder Reflow Profile:





с

Crystol

Flinit

62

Typical Application:

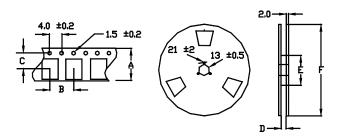
*Units are backward compatible with 240C reflow processes

Package Information:

MSL = 1

Termination = e4 (Au over Ni over W base metal).

Tape and Reel Information:



| Quantity per Reel | 3000 | |
|----------------------|----------------------|--|
| Α | 8.0 ±0.3 | |
| В | 4.0 ±0.2 | |
| C | 3.5 ±0.2 | |
| D | 9.0±1.0 or 12.0 ±3.0 | |
| E | 60 / 80 | |
| F | 180 | |

Environmental Specifications:

| Thermal Shock | MIL-STD-883, Method 1011, Condition A |
|------------------------------|-------------------------------------------------------------|
| Moisture Resistance | MIL-STD-883, Method 1004 |
| Mechanical Shock | MIL-STD-883, Method 2002, Condition B |
| Mechanical Vibration | MIL-STD-883, Method 2007, Condition A |
| Resistance to Soldering Heat | J-STD-020C, Table 5-2 Pb-free devices (except 2 cycles max) |
| Hazardous Substance | Pb-Free / RoHS / Green Compliant |
| Solderability | JESD22-B102-D Method 2 (Preconditioning E) |
| Terminal Strength | MIL-STD-883, Method 2004, Test Condition D |
| Gross Leak | MIL-STD-883, Method 1014, Condition C |
| Fine Leak | MIL-STD-883, Method 1014, Condition A2, R1=2x10-8 atm cc/s |
| Solvent Resistance | MIL-STD-202, Method 215 |

Marking:

Line 1: I-Date Code (yww) Line 2: Frequency

QUALITY SYSTEM

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