

Marketing Bulletin

DATE: May 14, 2004
TO: Affected Customers
FROM: Mark Stoner
RE: Product Termination

To all concerned parties,

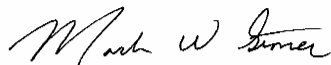
This bulletin is to notify all customers of the termination of the following Ecliptek series effective May 14th, 2004:

| Series | Description | Recommended Replacement |
|---------------|--------------------------|--------------------------------|
| EB71F81 | 5V OCXO, HCMOS, AT Cut | None |
| EB71F82 | 5V OCXO, HCMOS, SC Cut | None |
| EB72F81 | 3.3V OCXO, HCMOS, AT Cut | None |
| EB72F82 | 3.3V OCXO, HCMOS, SC Cut | None |

Because of the circumstances surrounding this termination, there will be no end-of-life policy exercised. The series will be terminated with no purchasing or lifetime buy window available. We will however have a recommended alternative product for these series within the next ninety (90) days.

All of us at Ecliptek Corporation apologize for any inconvenience this may have caused and can assure you we are taking measures to insure this will not happen again in the future. If there are any questions pertaining to this bulletin, please feel free to contact me. Thank you for your cooperation.

Best Regards,



Mark W. Stoner
Director of Marketing
Ecliptek Corporation


STANDARD SPECIFICATIONS

| | |
|--|--|
| Nominal Frequency | 1.544MHz to 44.736MHz |
| Initial Tolerance | <i>Measured at nominal Vdd and Vc</i> ±2.0ppm Maximum ±1.5ppm Maximum ±1.0ppm Maximum ±500ppb Maximum ±300ppb Maximum |
| Frequency Stability | ±30ppb Maximum ±50ppb Maximum ±80ppb Maximum ±100ppb Maximum ±200ppb Maximum ±280ppb Maximum ±500ppb Maximum |
| Frequency Stability vs. Input Voltage | ±20ppb Maximum (Vdd ±5%) |
| Frequency Stability vs. Aging (10 Years) | ±3.0ppm Maximum |
| Frequency Stability vs. Aging (1 Day) | ±3.0ppb Maximum |
| Frequency Stability vs. Aging (1 Year) | ±500ppb Maximum |
| Frequency Stability vs. Load | ±20ppb Maximum (Vload ±5%) |
| Warm Up Time | 3 Minutes Maximum (to ±500ppb of final frequency at 1 hour at 25°C) |
| Operating Temperature Range | 0°C to +50°C 0°C to +70°C (Not available with Frequency Stability of ±30ppb Maximum) -20°C to +70°C (Not available with Frequency Stability of ±30ppb Maximum; Not available with Frequency Stability of ±50ppb Maximum) |
| Supply Voltage | 5.0Vdc ±5% |
| Power Consumption | 2.2Watts Maximum at Steady State at 25°C, 3.0Watts Maximum during Warm Up |
| Output Voltage Logic High (Voh) | <i>I_{OH}</i> = -8mA Vdd-0.5Vdc Minimum |
| Output Voltage Logic Low (Vol) | <i>I_{OL}</i> = +8mA 0.5Vdc Maximum |
| Rise/Fall Time | <i>Measured at 20% to 80% of waveform</i> 10nSec Maximum over Nominal Frequency of 1.544MHz to 10MHz 6nSec Maximum over Nominal Frequency of 10.000001MHz to 44.736MHz |
| Duty Cycle | <i>Measured at 50% of waveform</i> 50% ±5% |
| Load Drive Capability | 30pF HCMOS Load Maximum |
| Control Voltage | None (No Connect on Pin 1 and Pin 2) 2.5Vdc ±2.0Vdc |
| Control Voltage Range | 0.0Vdc to Vdd |
| Frequency Deviation | <i>Referenced to Fo at Vc=2.5Vdc; Vdd=5.0Vdc</i> ±7ppm Minimum, ±20ppm Maximum |
| Crystal Cut | AT-Cut |
| Linearity | ±10% Maximum |
| Reference Voltage Output | 4.0Vdc ±0.3Vdc |
| Transfer Function | Positive Transfer Characteristic |
| Input Impedance | 10kOhms Typical |
| Phase Noise | <i>Typical Values</i> -75dBc/Hz at 1Hz Offset, -100dBc/Hz at 10Hz Offset, -130dBc/Hz at 100Hz Offset, -140dBc/Hz at 1kHz Offset, -150dBc/Hz at 10kHz Offset |
| Storage Temperature Range | -55°C to +125°C |

ENVIRONMENTAL & MECHANICAL

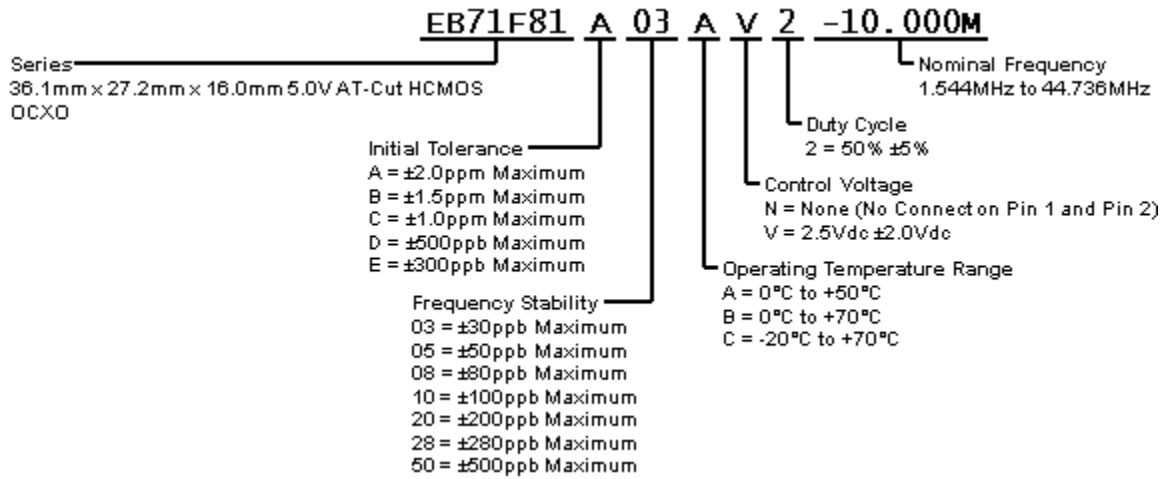
| | | | |
|------------------------|---------------------------------------|------------------------------|--------------------------------------|
| Gross Leak Test | MIL-STD-883, Method 1014, Condition C | Lead Integrity | MIL-STD-883, Method 2004 |
| Mechanical Shock | MIL-STD-202, Method 213 Condition C | Resistance to Soldering Heat | MIL-STD-202, Method 210 |
| Resistance to Solvents | MIL-STD-202, Method 215 | Solderability | MIL-STD-883, Method 2002 |
| Temperature Cycling | MIL-STD-883, Method 1010 | Vibration | MIL-STD-883, Method 2007 Condition A |

SPECIFICATION CONTROL DRAWING

| | |
|--|---|
|  | Drawing Number: CSC30-320-001 |
| Title: Ecliptek Generic (ECLMF) EB71F81 Series | |
| Revision: A | Effectivity Date: 10/22/2003 |
| ECN Number: 9991 | PAGE 1 OF 3 |
| Approved By: | Released By: |

Obsolete

PART NUMBERING GUIDE




Pb-Free Status Information

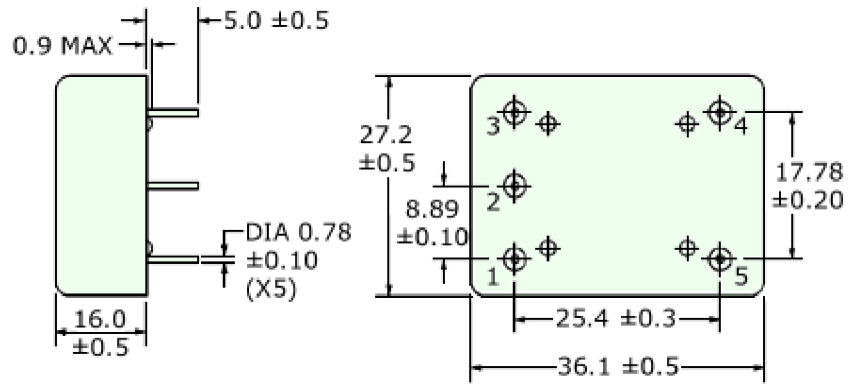
| Internal Pb Content | External Pb Content | Phase I | Phase II | Phase III | Pb-Free Status |
|---------------------|---------------------|---------|----------|-----------|----------------|
| >0.1% Pb | <0.1% Pb | TBD | TBD | TBD | Not Pb-Free |

Note: Please refer to TEN02-030-000 for Phase definitions. Phases marked with an X are deemed complete, otherwise phases are marked TBD (not available now).

SPECIFICATION CONTROL DRAWING

| | |
|--|---|
|  | Drawing Number: CSC30-320-001 |
| | Title: Ecliptek Generic (ECLMF) EB71F81 Series |
| Revision: A | PAGE 2 OF 3 |

PHYSICAL DIMENSIONS



| Pin | Connection |
|-----|--|
| 1 | No Connect Or Voltage Control |
| 2 | No Connect Or Reference Voltage Output |
| 3 | Supply Voltage |
| 4 | Output |
| 5 | Case/Ground |

MARKING

- Line 1: **ECLIPTEK**
- Line 2: **XX.XXXM**
 - XX.XXX = Nominal Frequency in MHz
 - M = Nominal Frequency Unit of Measure
 - M = MHz
- Line 3: **XXYZZ**
 - XX = Ecliptek Manufacturing Code
 - Y = Last Digit of the Year
 - ZZ = Week of the Year

NOTE: Pin 1 shall be marked with a dot. Marking shall conform to conditions listed in TQC41-001-000.

SPECIFICATION CONTROL DRAWING

| | |
|----------------|---|
| | Drawing Number: CSC30-320-001 |
| | Title: Ecliptek Generic (ECLMF) EB71F81 Series |
| Revision: A | PAGE 3 OF 3 |


STANDARD SPECIFICATIONS

| | |
|--|--|
| Nominal Frequency | 1.544MHz to 44.736MHz |
| Initial Tolerance | <i>Measured at nominal Vdd and Vc</i> ±2.0ppm Maximum ±1.5ppm Maximum ±1.0ppm Maximum ±500ppb Maximum ±300ppb Maximum |
| Frequency Stability | ±20ppb Maximum ±30ppb Maximum ±50ppb Maximum ±80ppb Maximum ±100ppb Maximum ±200ppb Maximum ±280ppb Maximum ±500ppb Maximum |
| Frequency Stability vs. Input Voltage | ±20ppb Maximum (Vdd ±5%) |
| Frequency Stability vs. Aging (10 Years) | ±500ppb Maximum |
| Frequency Stability vs. Aging (1 Day) | ±2.0ppb Maximum |
| Frequency Stability vs. Aging (1 Year) | ±100ppb Maximum |
| Frequency Stability vs. Load | ±20ppb Maximum (Vload ±5%) |
| Warm Up Time | 1 Minute Maximum (to ±100ppb of final frequency at 1 hour at 25°C) |
| Operating Temperature Range | 0°C to +50°C 0°C to +70°C (Not available with Frequency Stability of ±20ppb Maximum) -20°C to +70°C (Not available with Frequency Stability of ±20ppb Maximum; Not available with Frequency Stability of ±30ppb Maximum) |
| Supply Voltage | 5.0Vdc ±5% |
| Power Consumption | 2.2Watts Maximum at Steady State at 25°C, 3.0Watts Maximum during Warm Up |
| Output Voltage Logic High (Voh) | <i>I_{OH}</i> = -8mA Vdd-0.5Vdc Minimum |
| Output Voltage Logic Low (Vol) | <i>I_{OL}</i> = +8mA 0.5Vdc Maximum |
| Rise/Fall Time | <i>Measured at 20% to 80% of waveform</i> 10nSec Maximum over Nominal Frequency of 1.544MHz to 10MHz 6nSec Maximum over Nominal Frequency of 10.000001MHz to 44.736MHz |
| Duty Cycle | <i>Measured at 50% of waveform</i> 50% ±5% |
| Load Drive Capability | 30pF HCMOS Load Maximum |
| Control Voltage | None (No Connect on Pin 1 and Pin 2) 2.5Vdc ±2.0Vdc |
| Control Voltage Range | 0.0Vdc to Vdd |
| Frequency Deviation | <i>Referenced to Fo at Vc=2.5Vdc; Vdd=5.0Vdc</i> ±0.5ppm Minimum, ±2.0ppm Maximum |
| Crystal Cut | SC-Cut |
| Linearity | ±10% Maximum |
| Reference Voltage Output | 4.0Vdc ±0.3Vdc |
| Transfer Function | Positive Transfer Characteristic |
| Input Impedance | 10kOhms Typical |
| Phase Noise | <i>Typical Values</i> -80dBc/Hz at 1Hz Offset, -120dBc/Hz at 10Hz Offset, -140dBc/Hz at 100Hz Offset, -145dBc/Hz at 1kHz Offset, -150dBc/Hz at 10kHz Offset |
| Storage Temperature Range | -55°C to +125°C |

ENVIRONMENTAL & MECHANICAL

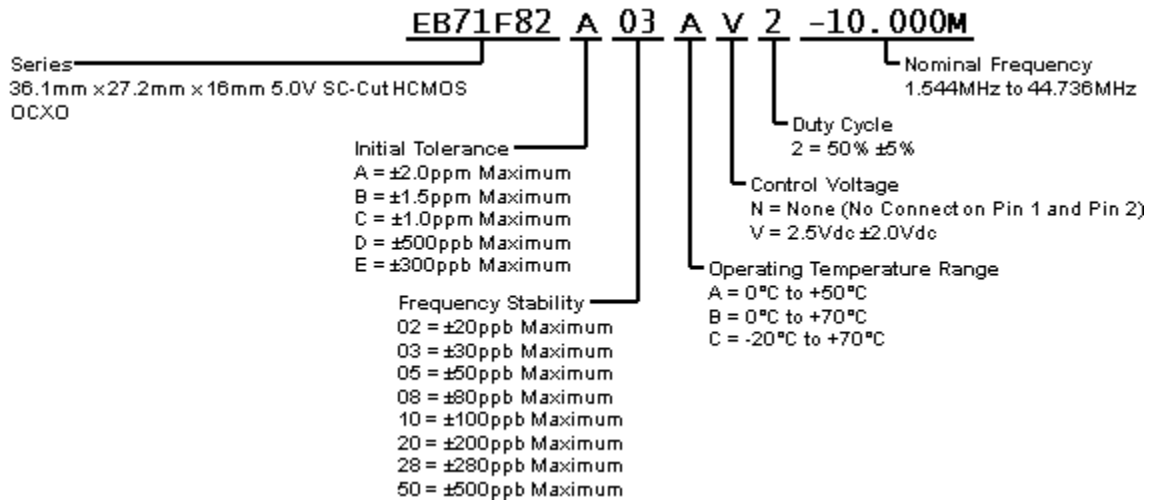
| | | | |
|------------------------|---------------------------------------|------------------------------|--------------------------------------|
| Gross Leak Test | MIL-STD-883, Method 1014, Condition C | Lead Integrity | MIL-STD-883, Method 2004 |
| Mechanical Shock | MIL-STD-202, Method 213 Condition C | Resistance to Soldering Heat | MIL-STD-202, Method 210 |
| Resistance to Solvents | MIL-STD-202, Method 215 | Solderability | MIL-STD-883, Method 2002 |
| Temperature Cycling | MIL-STD-883, Method 1010 | Vibration | MIL-STD-883, Method 2007 Condition A |

SPECIFICATION CONTROL DRAWING

| | |
|--|---|
|  | Drawing Number: CSC30-400-001 |
| Title: Ecliptek Generic (ECLMF) EB71F82 Series | |
| Revision: A | Effectivity Date: 10/22/2003 |
| ECN Number: 9995 | PAGE 1 OF 3 |
| Approved By: | Released By: |

Obsolete

PART NUMBERING GUIDE




Pb-Free Status Information

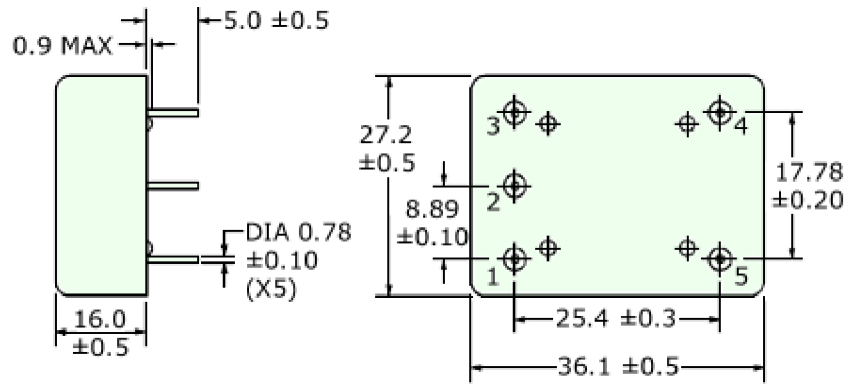
| Internal Pb Content | External Pb Content | Phase I | Phase II | Phase III | Pb-Free Status |
|---------------------|---------------------|---------|----------|-----------|----------------|
| >0.1% Pb | <0.1% Pb | TBD | TBD | TBD | Not Pb-Free |

Note: Please refer to TEN02-030-000 for Phase definitions. Phases marked with an X are deemed complete, otherwise phases are marked TBD (not available now).

SPECIFICATION CONTROL DRAWING

| | |
|--|--|
|  | Drawing Number: CSC30-400-001 |
| | Title: Ecliptek Generic (ECLMF) EB71F82 Series |
| Revision: A | PAGE 2 OF 3 |

PHYSICAL DIMENSIONS




| Pin | Connection |
|-----|--|
| 1 | No Connect Or Voltage Control |
| 2 | No Connect Or Reference Voltage Output |
| 3 | Supply Voltage |
| 4 | Output |
| 5 | Case/Ground |

MARKING

- Line 1: **ECLIPTEK**
- Line 2: **XX.XXXM**
 - XX.XXX = Nominal Frequency in MHz
 - M = Nominal Frequency Unit of Measure
 - M = MHz
- Line 3: **XXYZZ**
 - XX = Ecliptek Manufacturing Code
 - Y = Last Digit of the Year
 - ZZ = Week of the Year

NOTE: Pin 1 shall be marked with a dot. Marking shall conform to conditions listed in TQC41-001-000.

SPECIFICATION CONTROL DRAWING

| | |
|--|----------------------------------|
|  | Drawing Number: CSC30-400-001 |
| Title: Ecliptek Generic (ECLMF) EB71F82 Series | |
| Revision: A | PAGE 3 OF 3 |

STANDARD SPECIFICATIONS


| | |
|--|---|
| Nominal Frequency | 1.544MHz to 44.736MHz |
| Initial Tolerance | <i>Measured at nominal Vdd and Vc</i> ±2.0ppm Maximum ±1.5ppm Maximum ±1.0ppm Maximum ±500ppb Maximum ±300ppb Maximum |
| Frequency Stability | ±80ppb Maximum (Not available with Operating Temperature Range of -20°C to +70°C; Not available with Operating Temperature Range of 0°C to +70°C) ±100ppb Maximum (Not available with Operating Temperature Range of -20°C to +70°C) ±200ppb Maximum (Not available with Operating Temperature Range of -20°C to +70°C) ±280ppb Maximum ±500ppb Maximum |
| Frequency Stability vs. Input Voltage | ±20ppb Maximum (Vdd ±5%) |
| Frequency Stability vs. Aging (10 Years) | ±3.0ppm Maximum (after 72 hours of operation) |
| Frequency Stability vs. Aging (1 Day) | ±3.0ppb Maximum (after 72 hours of operation) |
| Frequency Stability vs. Aging (1 Year) | ±500ppb Maximum (after 72 hours of operation) |
| Frequency Stability vs. Load | ±20ppb Maximum (Vload ±5%) |
| Warm Up Time | 3 Minutes Maximum (to ±500ppb of final frequency at 1 hour at 25°C) |
| Operating Temperature Range | 0°C to +50°C 0°C to +70°C -20°C to +70°C |
| Supply Voltage | 3.3Vdc ±5% |
| Power Consumption | 2.2Watts Maximum at Steady State at 25°C, 3.0Watts Maximum during Warm Up |
| Output Voltage Logic High (Voh) | <i>I_{OH} = -4mA</i> 2.6Vdc Minimum |
| Output Voltage Logic Low (Vol) | <i>I_{OL} = +4mA</i> 0.4Vdc Maximum |
| Rise/Fall Time | <i>Measured at 20% to 80% of waveform</i> 10nSec Maximum over Nominal Frequency of 1.544MHz to 10MHz 6nSec Maximum over Nominal Frequency of 10.000001MHz to 44.736MHz |
| Duty Cycle | <i>Measured at 50% of waveform</i> 50% ±5% |
| Load Drive Capability | 15pF HCMOS Load Maximum |
| Control Voltage | None (No Connect on Pin 1 and Pin 2) 1.65Vdc ±1.35Vdc |
| Control Voltage Range | 0.0Vdc to Vdd |
| Frequency Deviation | <i>Referenced to Fo at Vc=1.65Vdc; Vcc=3.3Vdc</i> ±7ppm Minimum, ±20ppm Maximum |
| Crystal Cut | AT-Cut |
| Linearity | ±10% Maximum |
| Reference Voltage Output | 2.8Vdc ±0.2Vdc |
| Transfer Function | Positive Transfer Characteristic |
| Input Impedance | 10kOhms Typical |
| Phase Noise | <i>Typical Values</i> -75dBc/Hz at 1Hz Offset, -100dBc/Hz at 10Hz Offset, -130dBc/Hz at 100Hz Offset, -140dBc/Hz at 1kHz Offset, -150dBc/Hz at 10kHz Offset |
| Storage Temperature Range | -55°C to +125°C |

ENVIRONMENTAL & MECHANICAL

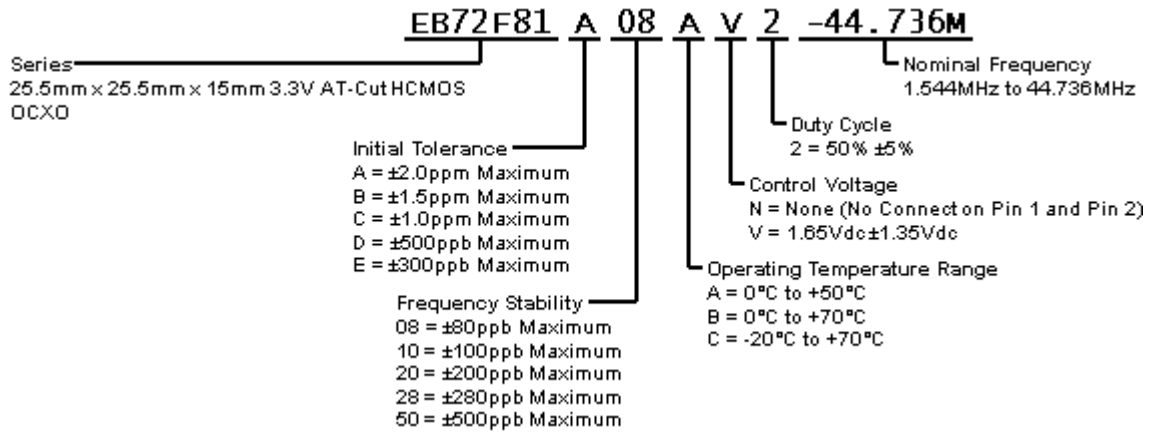
| | | | |
|------------------------|---------------------------------------|------------------------------|--------------------------------------|
| Gross Leak Test | MIL-STD-883, Method 1014, Condition C | Lead Integrity | MIL-STD-883, Method 2004 |
| Mechanical Shock | MIL-STD-202, Method 213 Condition C | Resistance to Soldering Heat | MIL-STD-202, Method 210 |
| Resistance to Solvents | MIL-STD-202, Method 215 | Solderability | MIL-STD-883, Method 2002 |
| Temperature Cycling | MIL-STD-883, Method 1010 | Vibration | MIL-STD-883, Method 2007 Condition A |

Obsolete

SPECIFICATION CONTROL DRAWING

| | |
|--|---|
|  | Drawing Number: CSC30-330-001 |
| Title: Ecliptek Generic (ECLMF) EB72F81 Series | |
| Revision: B | Effectivity Date: 1/23/2004 |
| ECN Number: 9993 | PAGE 1 OF 3 |
| Approved By: | Released By: |

PART NUMBERING GUIDE




Pb-Free Status Information

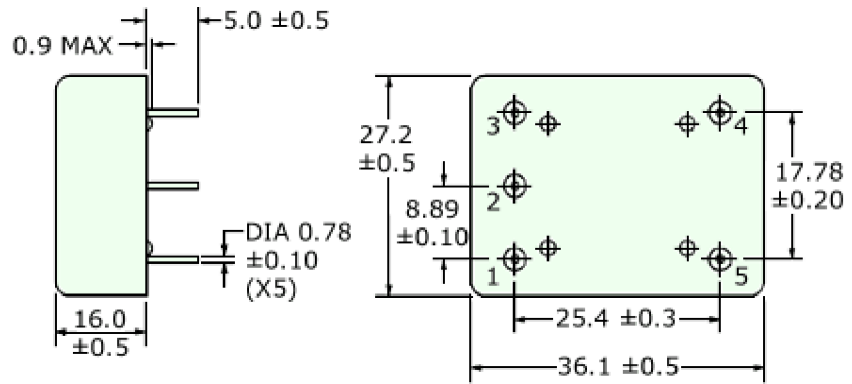
| Internal Pb Content | External Pb Content | Phase I | Phase II | Phase III | Pb-Free Status |
|---------------------|---------------------|---------|----------|-----------|----------------|
| >0.1% Pb | <0.1% Pb | TBD | TBD | TBD | Not Pb-Free |

Note: Please refer to TEN02-030-000 for Phase definitions. Phases marked with an X are deemed complete, otherwise phases are marked TBD (not available now).

SPECIFICATION CONTROL DRAWING

| | |
|--|---|
|  | Drawing Number: CSC30-330-001 |
| | Title: Ecliptek Generic (ECLMF) EB72F81 Series |
| Revision: B | PAGE 2 OF 3 |

PHYSICAL DIMENSIONS




| Pin | Connection |
|-----|--|
| 1 | No Connect Or Voltage Control |
| 2 | No Connect Or Reference Voltage Output |
| 3 | Supply Voltage |
| 4 | Output |
| 5 | Case/Ground |

MARKING

- Line 1: **ECLIPTEK**
- Line 2: **XX.XXXM**
 - XX.XXX = Nominal Frequency in MHz (5 Digits Maximum + Decimal)
 - M = Nominal Frequency Unit of Measure
 - M = MHz
- Line 3: **XXYZZ**
 - XX = Ecliptek Manufacturing Code
 - Y = Last Digit of the Year
 - ZZ = Week of the Year

NOTE: Pin 1 shall be marked with a dot. Marking shall conform to conditions listed in TQC41-001-000.

SPECIFICATION CONTROL DRAWING

| | |
|--|----------------------------------|
|  | Drawing Number: CSC30-330-001 |
| Title: Ecliptek Generic (ECLMF) EB72F81 Series | |
| Revision: B | PAGE 3 OF 3 |


STANDARD SPECIFICATIONS

| | |
|--|--|
| Nominal Frequency | 1.544MHz to 44.736MHz |
| Initial Tolerance | <i>Measured at nominal Vdd and Vc</i> ±2.0ppm Maximum ±1.5ppm Maximum ±1.0ppm Maximum ±500ppb Maximum ±300ppb Maximum |
| Frequency Stability | ±30ppb Maximum (Not available with Operating Temperature Range of -20°C to +70°C; Not available with Operating Temperature Range of 0°C to +70°C) ±50ppb Maximum (Not available with Operating Temperature Range of -20°C to +70°C) ±80ppb Maximum ±100ppb Maximum ±200ppb Maximum ±280ppb Maximum ±500ppb Maximum |
| Frequency Stability vs. Input Voltage | ±20ppb Maximum (Vdd ±5%) |
| Frequency Stability vs. Aging (10 Years) | ±500ppb Maximum (after 72 hours of operation) |
| Frequency Stability vs. Aging (1 Day) | ±2.0ppb Maximum (after 72 hours of operation) |
| Frequency Stability vs. Aging (1 Year) | ±100ppb Maximum (after 72 hours of operation) |
| Frequency Stability vs. Load | ±20ppb Maximum (Vload ±5%) |
| Warm Up Time | 1 Minutes Maximum (to ±100ppb of final frequency at 1 hour at 25°C) |
| Operating Temperature Range | 0°C to +50°C 0°C to +70°C -20°C to +70°C |
| Supply Voltage | 3.3Vdc ±5% |
| Power Consumption | 2.2Watts Maximum at Steady State at 25°C, 3.0Watts Maximum during Warm Up |
| Output Voltage Logic High (Voh) | <i>IOH=-4mA</i> 2.6Vdc Minimum |
| Output Voltage Logic Low (Vol) | <i>IOH=+4mA</i> 0.4Vdc Maximum |
| Rise/Fall Time | <i>Measured at 20% to 80% of waveform</i> 10nSec Maximum over Nominal Frequency of 1.544MHz to 10MHz 6nSec Maximum over Nominal Frequency of 10.000001MHz to 44.736MHz |
| Duty Cycle | <i>Measured at 50% of waveform</i> 50% ±5% |
| Load Drive Capability | 15pF HCMOS Load Maximum |
| Control Voltage | None (No Connect on Pin 1 and Pin 2) 1.65Vdc ±1.35Vdc |
| Control Voltage Range | 0.0Vdc to Vdd |
| Frequency Deviation | <i>Referenced to Fo at Vc=1.65Vdc; Vcc=3.3Vdc</i> ±0.5ppm Minimum, ±2.0ppm Maximum |
| Crystal Cut | SC-Cut |
| Linearity | ±10% Maximum |
| Reference Voltage Output | 2.8Vdc ±0.2Vdc |
| Transfer Function | Positive Transfer Characteristic |
| Input Impedance | 10kOhms Typical |
| Phase Noise | <i>Typical Values</i> -80dBc/Hz at 1Hz Offset, -120dBc/Hz at 10Hz Offset, -140dBc/Hz at 100Hz Offset, -145dBc/Hz at 1kHz Offset, -150dBc/Hz at 10kHz Offset |
| Storage Temperature Range | -55°C to +125°C |

ENVIRONMENTAL & MECHANICAL

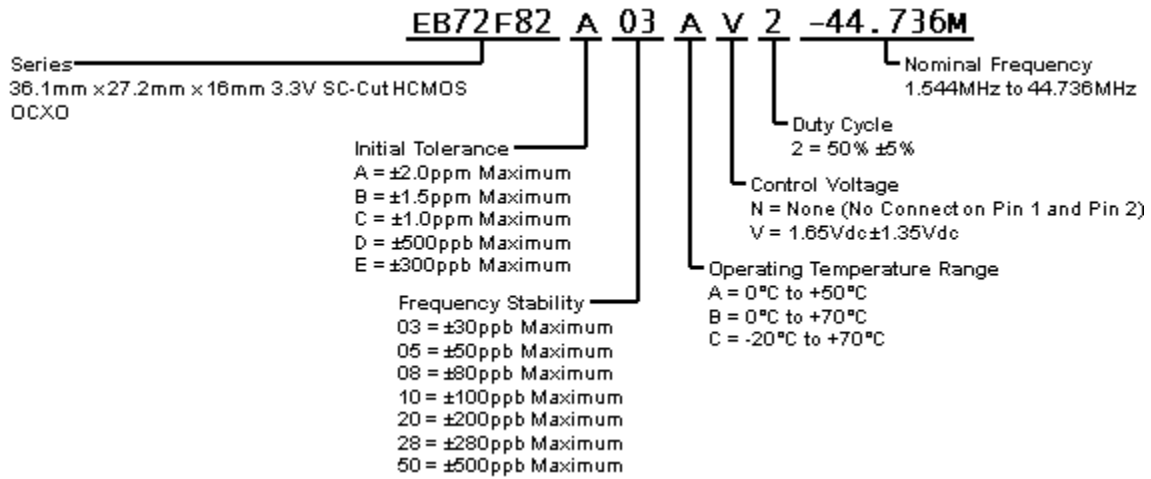
| | | | |
|------------------------|---------------------------------------|------------------------------|--------------------------------------|
| Gross Leak Test | MIL-STD-883, Method 1014, Condition C | Lead Integrity | MIL-STD-883, Method 2004 |
| Mechanical Shock | MIL-STD-202, Method 213 Condition C | Resistance to Soldering Heat | MIL-STD-202, Method 210 |
| Resistance to Solvents | MIL-STD-202, Method 215 | Solderability | MIL-STD-883, Method 2002 |
| Temperature Cycling | MIL-STD-883, Method 1010 | Vibration | MIL-STD-883, Method 2007 Condition A |

SPECIFICATION CONTROL DRAWING

| | |
|--|---|
|  | Drawing Number: CSC30-420-001 |
| Title: Ecliptek Generic (ECLMF) EB72F82 Series | |
| Revision: B | Effectivity Date: 1/23/2004 |
| ECN Number: 9997 | PAGE 1 OF 3 |
| Approved By: | Released By: |

Obsolete

PART NUMBERING GUIDE




Pb-Free Status Information

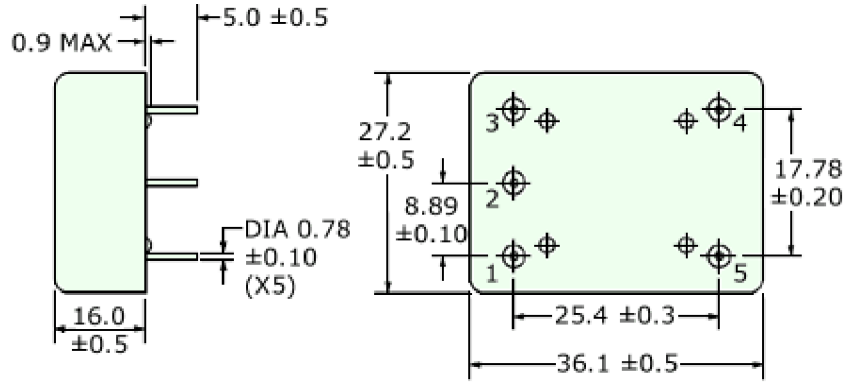
| Internal Pb Content | External Pb Content | Phase I | Phase II | Phase III | Pb-Free Status |
|---------------------|---------------------|---------|----------|-----------|----------------|
| >0.1% Pb | <0.1% Pb | TBD | TBD | TBD | Not Pb-Free |

Note: Please refer to TEN02-030-000 for Phase definitions. Phases marked with an X are deemed complete, otherwise phases are marked TBD (not available now).

SPECIFICATION CONTROL DRAWING

| | |
|--|---|
|  | Drawing Number: CSC30-420-001 |
| | Title: Ecliptek Generic (ECLMF) EB72F82 Series |
| Revision: B | PAGE 2 OF 3 |

PHYSICAL DIMENSIONS




| Pin | Connection |
|-----|--|
| 1 | No Connect Or Voltage Control |
| 2 | No Connect Or Reference Voltage Output |
| 3 | Supply Voltage |
| 4 | Output |
| 5 | Case/Ground |

MARKING

- Line 1: **ECLIPTEK**
- Line 2: **XX.XXXM**
 - XX.XXX = Nominal Frequency in MHz (5 Digits Maximum + Decimal)
 - M = Nominal Frequency Unit of Measure
 - M = MHz
- Line 3: **XXYZZ**
 - XX = Ecliptek Manufacturing Code
 - Y = Last Digit of the Year
 - ZZ = Week of the Year

NOTE: Pin 1 shall be marked with a dot. Marking shall conform to conditions listed in TQC41-001-000.

SPECIFICATION CONTROL DRAWING

| | |
|--|----------------------------------|
|  | Drawing Number: CSC30-420-001 |
| Title: Ecliptek Generic (ECLMF) EB72F82 Series | |
| Revision: B | PAGE 3 OF 3 |