

## Crystals

(See back for Oscillators and MCF)

| Item # | Product                                                                             | Product Code                        | Product Description            |
|--------|-------------------------------------------------------------------------------------|-------------------------------------|--------------------------------|
| 1      |    | D(DB)-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S | 5x7 SMD Crystal                |
| 2      |    | C(CB)-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S | 6x3.5 SMD Crystal              |
| 3      |    | I(IB)-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S | 5x3.2 SMD Crystal              |
| 4      |    | J-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S     | 4x2.5 SMD Crystal              |
| 5      |    | K-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S     | 3.2x2.5 SMD Crystal            |
| 6      |    | N-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S     | 2.5x2.0 SMD Crystal            |
| 7      |    | KC-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S    | 2.0x1.6 SMD Crystal            |
| 8      |    | KD-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S    | 1.6x1.2 SMD Crystal            |
| 9      |   | U-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S     | HC-49U Crystal                 |
| 10     |  | S(SB)-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S | HC-49U/S Crystal               |
| 11     |  | M-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S     | HC-49USM Crystal (2-Pads)      |
| 12     |  | MB-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S    | HC-49USM Crystal (4-Pads)      |
| 13     |  | MD-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S    | HC-49USM Crystal (4-Pads)      |
| 14     |  | ME-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S    | HC-49USM Crystal (4-Pads)      |
| 15     |  | A-M-FF.FFFM-LC-FTFS-OT-ESR-B-G-S    | UM-1 Crystal                   |
| 16     |  | B-M-FF.FFFM-LC-FTFS-OT-ESR-B-G-S    | UM-5 Crystal                   |
| 17     |  | NH-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S    | 2.5x2.0 SMD Thermistor Crystal |
| 18     |  | WB-FF.FFFK-LC-FT-OT-ESR-TR-G-S      | 2x6 Tuning Fork (KHZ)          |
| 19     |  | WB-M-FF.FFFM-LC-FTFS-OT-ESR-TR-G-S  | 2x6 Tuning Fork (KHZ)          |
| 20     |  | W-FF.FFFK-LC-FT-OT-ESR-TR-S         | 3x8 Tuning Fork (KHZ)          |
| 21     |  | W-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S     | 3x8 Tuning Fork (MHZ)          |
| 22     |  | H-FF.FFFK-LC-FT-OT-ESR-TR-S         | 3x8 Tuning Fork (SMD)          |
| 23     |  | HB-FF.FFFM-LC-FTFS-OT-ESR-TR-S      | 4.7x12.5 Tuning Fork SMD)      |
| 24     |  | HC-FF.FFFK-LC-FT-OT-ESR-TR-S        | 3.2x1.5 Tuning Fork (SMD)      |
| 25     |  | WF-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S    | 3x9 Tuning Fork (MHZ)          |
| 26     |  | WD-M-FF.FFFM-LC-FTFS-OT-ESR-TR-S    | 3x10 Tuning Fork (MHZ)         |

Established in 1993, CEC Panda Crystal Technology Corporation is a leading crystal oscillator manufacturer headquartered in Nanjing, China. The company has three production sites strategically located in the most economically dynamic regions in China. Our nearly 1,700 employees are committed to technology innovation, product quality, customer service and the communities in which we operate.

For more information of the company, visit [WWW.CECXTAL.COM](http://WWW.CECXTAL.COM) or [WWW.CECXTAL-USA.COM](http://WWW.CECXTAL-USA.COM).

## Oscillators

(See front for Crystals)

| Item # | Product | Product Code                      | Product Description            |
|--------|---------|-----------------------------------|--------------------------------|
| 27     |         | O(OF)-V-S-FF.FFFM- FS-OT-OP -TR-S | 5x7 SMD Oscillator (HCMOS/TTL) |
| 28     |         | OH-V-S- FF.FFFM -FS-OT-P-TR-S     | 5x7 SMD OSC (PECL/LVDS)        |
| 29     |         | R -V-S-FF.FFFM- FS-OT-OP -TR-S    | 5x3.2 SMD Oscillator           |
| 30     |         | L-V-S-FF.FFFM- FS-OT-OP -TR-S     | 3.2x2.5 SMD Oscillator         |
| 31     |         | ON-V-S-FF.FFFM-FS-OT-OP-TR-S      | 2.5x2.0 SMD Oscillator         |
| 32     |         | Q-V-S-FF.FFFM- FS-OT-OP -TU-S     | Full Size (14 Pin) Oscillator  |
| 33     |         | QB-V-S-FF.FFFM- FS-OT-OP -TU-S    | Half Size (8 Pin) Oscillator   |
| 34     |         | V-V-FF.FFFM -FS-OT-Pu-TR-S        | 5x7 SMD VCXO                   |
| 35     |         | VH-V-FF.FFFM -FS-OT-Pu-P-TR-S     | 5x7 SMD VCXO (PECL/LVDS)       |
| 36     |         | TXT10-XXXXX-FREQ                  | 5x7 SMD VCTCXO                 |
| 37     |         | TXW10-XXXXX-FREQ                  | 5x3.2 SMD VCTCXO               |
| 38     |         | TC(VTC)-V-FF.FFFM-FT-FS-OT-OP-S   | 3.2x2.5 SMD VCTCXO             |
| 39     |         | TD(VTD)-V-FF.FFFM-FT-FS-OT-OP-S   | 2.5x2.0 SMD VCTCXO             |
| 40     |         | TXE17-XXXXX-FREQ                  | DIP14 VCTCXO                   |
| 41     |         | OXA10-XXXXX-FREQ                  | OXA10 Series OCXO              |
| 42     |         | OXA20-XXXXX-FREQ                  | OXA20 Series OCXO              |
| 43     |         | OXB09-XXXXX-FREQ                  | OXB09 Series OCXO              |
| 44     |         | OXB10-XXXXX-FREQ                  | OXB10 Series OCXO              |
| 45     |         | OXB12-XXXXX-FREQ                  | OXB12 Series OCXO              |
| 46     |         | OXB20-XXXXX-FREQ                  | OXB20 Series OCXO              |
| 47     |         | OXC10-XXXXX-FREQ                  | OXC10 Series OCXO              |
| 48     |         | OXC19-XXXXX-FREQ                  | OXC19 Series OCXO              |
| 49     |         | OXD14-XXXXX-FREQ                  | OXD14 Series OCXO              |
| 50     |         | OXD24-XXXXX-FREQ                  | OXD24 Series OCXO              |
| 51     |         | OXE10-XXXXX-FREQ                  | OXE10 Series OCXO              |

## Monolithic Crystal Filters (MCF)

| Item # | Product | Product Code           | Product Description |
|--------|---------|------------------------|---------------------|
| 52     |         | F-M-FF.FFFM-PBW-Pole-S | UM-1 Filter         |
| 53     |         | E-M-FF.FFFM-PBW-Pole-S | UM-5 Filter         |