



CRYSTEK
CRYSTALS
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LVDS / LVPECL Clock Oscillator Guide



5.0 x 7.0 mm SMD (LVDS)

Model	Freq. Range (MHz)	Input Voltage (Vdc)	Stability Options	Product Features
CCLD-023	77.760 to 161.1328	2.50	±20 to ±100ppm Max (0/70°C) ±25 to ±100ppm Max (-40/85°C)	Phase Jitter: 12kHz~80MHz RMS (0.5ps Typical, 1.0ps Max)
CCLD-024	162.000 to 312.500	2.50	±20 to ±100ppm Max (0/70°C) ±25 to ±100ppm Max (-40/85°C)	Phase Jitter: 12kHz~80MHz RMS (0.5ps Typical, 1.0ps Max)
CCLD-033	77.760 to 161.1328	3.30	±20 to ±100ppm Max (0/70°C) ±25 to ±100ppm Max (-40/85°C)	Phase Jitter: 12kHz~80MHz RMS (0.5ps Typical, 1.0ps Max)
CCLD-034	162.000 to 312.500	3.30	±20 to ±100ppm Max (0/70°C) ±25 to ±100ppm Max (-40/85°C)	Phase Jitter: 12kHz~80MHz RMS (0.5ps Typical, 1.0ps Max)

5.0 x 7.0 mm SMD (LVPECL)

Model	Freq. Range (MHz)	Input Voltage (Vdc)	Stability Options	Product Features
CCPD-023	77.760 to 161.1328	2.50	±20 to ±100ppm Max (0/70°C) ±25 to ±100ppm Max (-40/85°C)	Phase Jitter: 12kHz~80MHz RMS (0.5ps Typical, 1.0ps Max)
CCPD-024	162.000 to 312.500	2.50	±20 to ±100ppm Max (0/70°C) ±25 to ±100ppm Max (-40/85°C)	Phase Jitter: 12kHz~80MHz RMS (0.5ps Typical, 1.0ps Max)
CCPD-033	77.760 to 161.1328	3.30	±20 to ±100ppm Max (0/70°C) ±25 to ±100ppm Max (-40/85°C)	Phase Jitter: 12kHz~80MHz RMS (0.5ps Typical, 1.0ps Max)
CCPD-034	162.000 to 312.500	3.30	±20 to ±100ppm Max (0/70°C) ±25 to ±100ppm Max (-40/85°C)	Phase Jitter: 12kHz~80MHz RMS (0.5ps Typical, 1.0ps Max)
CCPD-575	50.000 to 153.600	3.30	±20ppm Max (-40/85°C)	Phase Jitter: 12kHz~80MHz RMS (86fSec Typical)

9.0 x 14.0 mm SMD (LVPECL)

Model	Freq. Range (MHz)	Input Voltage (Vdc)	Stability Options	Product Features
CCPD-920	50.000 to 150.000	3.30	±20 to ±50ppm Max (0/70°C) ±25 to ±50ppm Max (-40/85°C)	Phase Jitter: 12kHz~80MHz RMS (0.5ps Typical, 1.0ps Max) Phase Noise: -65dBc @ 10Hz -145dBc @ 100kHz
CCPD-940	77.760 to 212.500	3.30	±20 to ±100ppm Max (0/70°C) ±20 to ±100ppm Max (-40/85°C)	Phase Jitter: 12kHz~80MHz RMS (0.5ps Typical, 1.0ps Max) Phase Noise: -80dBc @ 100Hz -140dBc @ 100KHz



CRYSTEK
CORPORATION

12730 COMMONWEALTH DRIVE • FORT MYERS, FL 33913
PHONE: 239-561-3311 • 800-237-3061
FAX: 239-561-1025 • WWW.CRYSTEK.COM