SUNSTAR微波光电 http://www.rfoe.net/ TEL:0755-83396822 FAX:0755-83376182 E-MAIL: szss20@163.com

CERNEX, Inc.

Dielectric Resonator Oscillators

FEATURES:

- Internal voltage regulated
- Excellent frequency stability
- Low phase noise
- Available from 2 to 26.5 GHz
- Low cost and reliable construction

CDO Series

APPLICATIONS:

- Communication systems
- Radar systems
- Frequency reference
- Local oscillators

SPECIFICATIONS:

Operating Specifications				
Frequency Range	4.0 - 7.9 GHz	8.0 – 13.0 GHz	13.0 – 18.0 GHz	18.0 – 26.5 GHz
Output Power	14.5 dBm	14 dBm	13 to 23 dBm	13 to 23 dBm
Frequency Stability	+5 ppm/°C	+5 ppm/°C	+/-3 ppm/°C	+/-3 ppm/°C
Phase Noise (Typ)	-90dBc/Hz at 10KHz offset	-85dBc/Hz at 10KHz offset	-65dBc/Hz at 1KHz offset	-60dBc/Hz at 1KHz offset
			-75dBc/Hz at 10KHz offset	-70dBc/Hz at 10KHz offset
	-120dBc/Hz at 100KHz offset	-115dBc/Hz at 100KHz offset	-107dBc/Hz at 100KHz offset	-102dBc/Hz at 100KHz offset
2nd Harmonic (Max)	-18 dBc	-20 dBc	-20 dBc	-20 dBc
Spurious (Max)	-80 dBc	-80 dBc	-60 dBc	-60 dBc
Bias (V/Ma)	+8 to +18 Vdc 65 mA	+8 to +18 Vdc 65 mA	+12 Vdc 100 to 200 mA	+12 Vdc 100 to 200 mA
Temperature	-30 to +70° C	-30 to +70° C	0 to +50° C	0 to +50° C

OTHER FREQUENCIES ARE ALSO AVAILABLE.

HOW TO ORDER:

Specify Model Number

CDO – LF HF PP -- XX ← To be specified by the Factory

Output Power in dBm

Low End Frequency

High End Frequency

Example: To order a 10Ghz CDO with output power of 15dbm, specify CDO081315-XX

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE

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