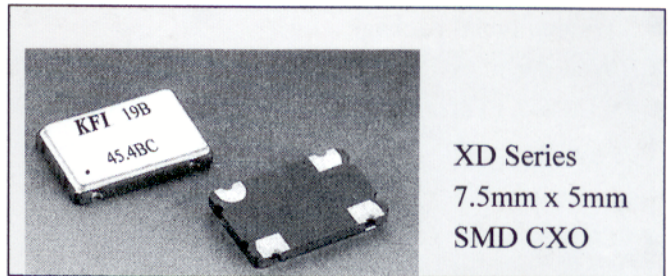


# KFI XD Series Crystal Oscillator Units

## Seam Sealed Ceramic SMD Package CXO

### Features

- Seam sealed ceramic SMD package for automatic surface mounting
- Wide frequency range from 1.544 MHz to 85 MHz
- CMOS / TTL / LSTTL compatible with High-Z (tri-state) output

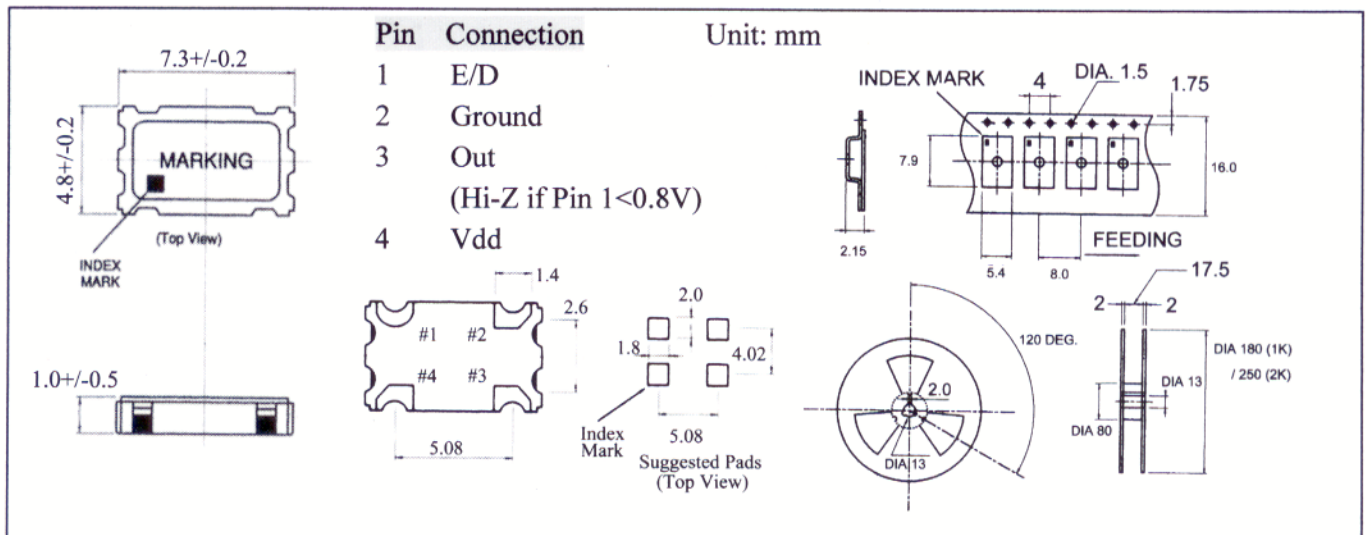


XD Series  
7.5mm x 5mm  
SMD CXO

### Specifications

Model		XD1	XD2	XD3	XD4
Output Type		TTL / CMOS	10LSTTL	CMOS	10LSTTL
Supply Voltage (Vdd)		5.0 V		3.3 V	
Frequency Range		1.544 MHz to 85 MHz			
Frequency Stability (All Conditions)		+/- 25ppm, +/- 50ppm, +/- 100ppm			
Operation Temperature Range		-10 °C to +70 °C, -20 °C to +70 °C, -40 °C to +85 °C			
Input Current	1.544Mz ~31.999MHz	35 mA (15pF) / 40 mA (50pF)	30 mA	25 mA	
	32Mz ~80MHz	45 mA (15pF) / 55 mA (50pF)			
	32Mz ~85MHz		45 mA	40 mA	
Output Voltage	Vol (max)	0.4V / 0.5V	0.5 V	0.33V	
	Voh (min)	2.4V / 4.5V	4.5 V	2.97V	
Output Loading		10 TTL or 15pF/50pF CMOS	15 pF	15 pF	15 pF
Symmetry	At 1/2 Vdd	40% / 60%			
Start-up Time	15 pF load	5ms max.			
	50 pF load	10ms max.			
Rise / Fall Time (0.1 to 0.9 Vdd)		10ns max.			
Package		Seam sealed ceramic SMD package			

### Dimensions and Packing



Remark: Specifications subject to change without prior notice. Please confirm with our sales engineer.