

CRYSTAL OSCILLATOR

(DIP TYPE)

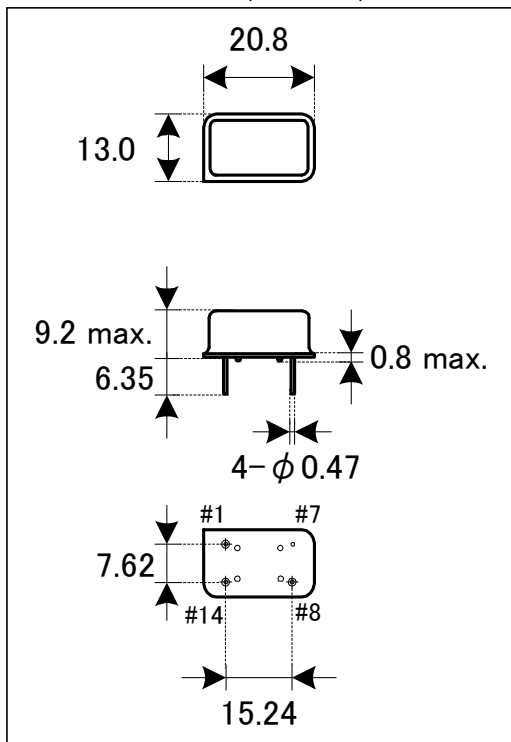
AXK-OF

Full Size (DIL14) DIP Type Oven-Controlled Crystal Oscillator(OCXO)

SPECIFICATIONS

Type	AXK-OF33	AXK-OF50	
Frequency Range	10.000 ~ 40.000		MHz
Supply Voltage	3.3 ± 5%	5.0 ± 5%	V
Input Current	800 max. (at start) 300 max. (when stable @25°C)	500 max. (at start) 200 max. (when stable @25°C)	mA
Output Voltage	V _{OH} : 0.9V _{dd} min. V _{OL} : 0.1V _{dd} max.		V
Symmetry	40 / 60 max. @0.5V _{dd}		%
Freq / Temp Characteristic	± 300 max.		ppb
Warm-up Characteristic	± 500 max. (+25°C 5min. after operation 30 days)		ppb
Freq / Volt Characteristic	± 50 max. (V _{dd} ± 5%)		ppb
Aging	± 10 max / day ± 500 max / year		ppb
Freq Pullability	± 2 min.	± 3 min.	ppm
Control Voltage	1.65V ± 1.50V	2.50V ± 2.00V	
Operating Temperature	0 ~ 70		°C

CASE DIMENSIONS (Unit:mm)



PIN CONNECTIONS

Pin#1	Vcont	Pin#8	Output
Pin#7	GND	Pin#14	Vdd

REFERENCE VALUE

Phase Noise at 10MHz

Offset Frequency	dBc/Hz (max.)
10Hz	-100
100Hz	-120
1KHz	-130
10KHz	-140