

CRYSTAL OSCILLATOR

(DIP TYPE)

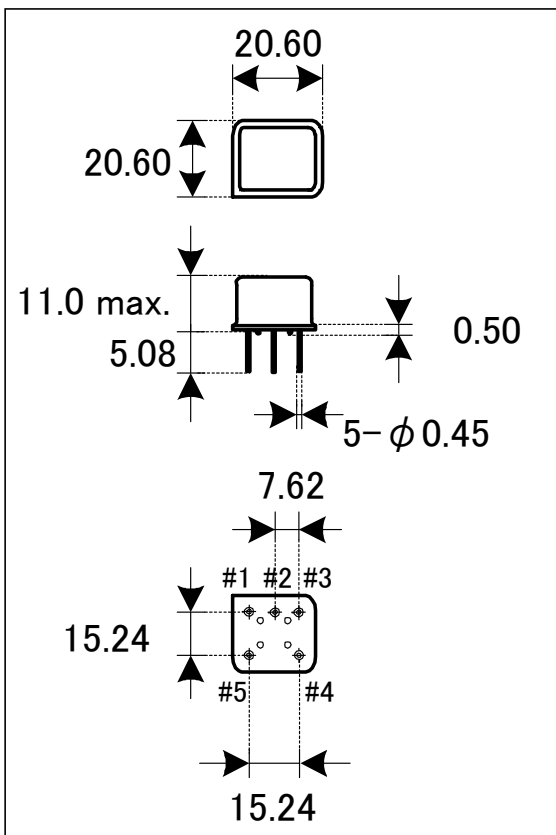
AXK-OLP

Low Phase Noise DIP Type Oven- Controlled Crystal Oscillator(OCXO)

SPECIFICATIONS

Type	AXK-OLP33	AXK-OLP50	
Standard Frequency	10.000		MHz
Supply Voltage	3.3±10%	5.0±10%	V
Output Type	Sine Wave		
Operating Temperature	-20 ~ 70		°C
Initial Accuracy	0.1		ppm
(After turn on power 15±1minutes)	(within 90days after the production, VCO input @2.0V±0.001V(5.0V)/@1.4V±0.001V(3.3V)		
Frequency Stability	±3 max.		ppb
Frequency / Voltage Change	±1 (±5%) max.		ppb
Frequency / Load Change	±1 (±5%) max.		ppb
Warm-up (in 3 minutes @25±1°C)	±50 max. (referenced to 1 hour)		ppb
Aging	Daily	±0.5 max.	ppb
	Yearly	± 50 max.	ppb
	10 years	±0.3 max.	ppm
Input Current	1000 max.	700 max.	mA
Frequency Adjustment	±0.5 (+1.4V±1.4V) min.	±0.5 (+2.0V±2.0V) min.	ppm

CASE DIMENSIONS (Unit:mm)



PIN CONNECTIONS

Pin#1	VCO or N/C
Pin#2	Reference Voltage or N/C
Pin#3	GND
Pin#4	R.F. Output
Pin#5	VDC

PHASE NOISE @10MHz

	AXK-OLP33	AXK-OLP50
@1Hz	-96dBc/Hz	-98dBc/Hz
@10Hz	-128dBc/Hz	-130dBc/Hz
@100Hz	-148dBc/Hz	-150dBc/Hz
@1kHz	-160dBc/Hz	-162dBc/Hz
@10kHz	-165dBc/Hz	-168dBc/Hz
@100kHz	-165dBc/Hz	-168dBc/Hz