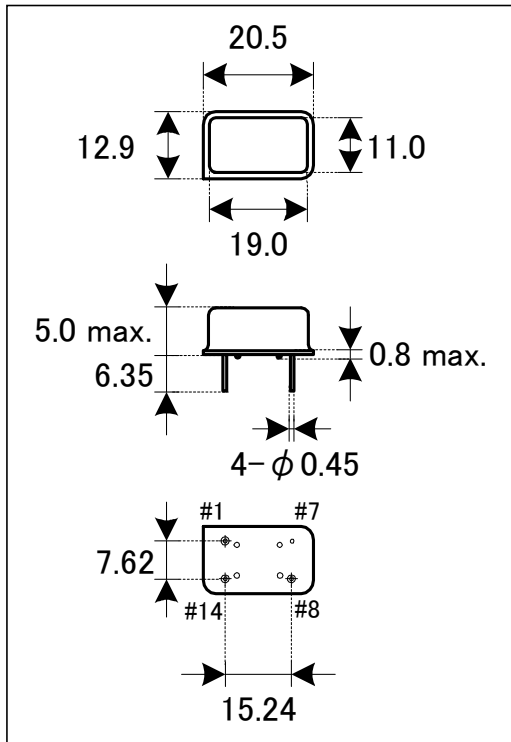


<b>CRYSTAL OSCILLATOR</b>	(DIP TYPE)	<b>AOY-10F, 20F</b>
Full Size (DIL14) DIP Type Crystal Oscillator		

**SPECIFICATIONS**

Type	AOY-10F	AOY-20F	
Frequency Range	1~2.999	3~20.000	MHz
Frequency Stability	$\pm 50, \pm 100$		ppm
Supply Voltage	$5 \pm 10\%$		V
Current Consumption	15 max.		mA
Output Voltage	$V_{OH}$ : 4.5min.(CMOS), 2.4min.(TTL)	$V_{OH}$ : 4.5 min.	V
	$V_{OL}$ : 0.5max.(CMOS), 0.4max.(TTL)	$V_{OL}$ : 0.4 max.	
Symmetry	CMOS 40 / 60 @2.5V	45 / 55 @2.5V	%
	TTL 45 / 55 @1.4V	40 / 60 @1.4V	
Rise/Fall Time	CMOS 5 max. (0.5~4.5V)	15 max. (0.5~4.5V)	nS
	TTL 5 max. (0.4~2.4V)	10 max. (0.4~2.4V)	
Load	CMOS 10k $\Omega$ // 15pF (50pF max.)	10k $\Omega$ // 15pF	
	TTL TTL(10TTL)	RL: 2k $\Omega$ CL: 15pF (10LSTTL)	
Operating Temperature	-10 ~ 60		°C

**CASE DIMENSIONS (Unit:mm)**



**PIN CONNECTIONS**

Pin#1	NC	Pin#8	Output
Pin#7	GND	Pin#14	$V_{DD}$