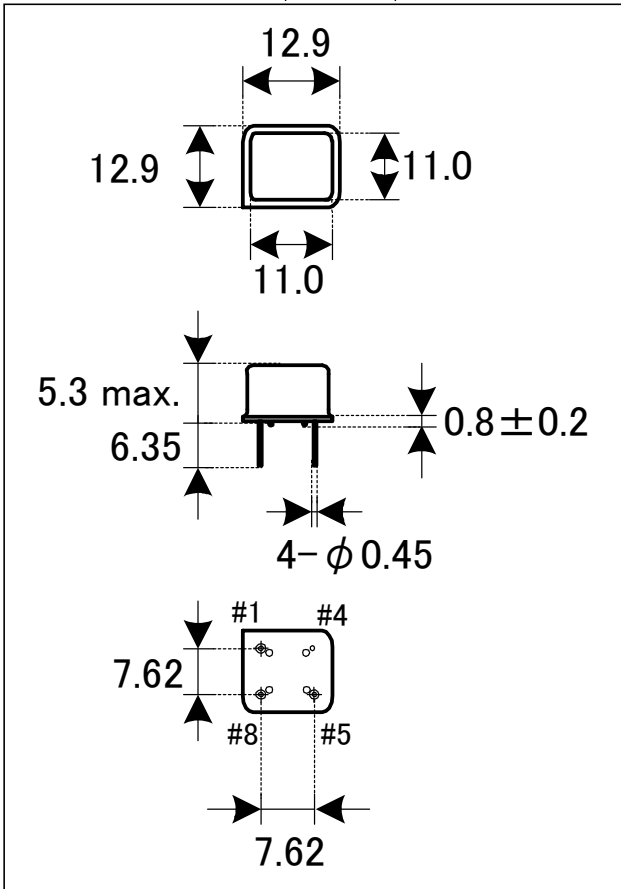


CRYSTAL OSCILLATOR (DIP TYPE) AOY-10H, 20H
Half Size (DIL8) DIP Type Crystal Oscillator

SPECIFICATIONS

Type	AOY-10H	AOY-20H	
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	$V_{OH}: 4.5\text{min. (CMOS), 2.4\text{min. (TTL)}$	$V_{OH}: 4.5 \text{ min.}$	V
	$V_{OL}: 0.5\text{max. (CMOS), 0.4\text{max. (TTL)}$	$V_{OL}: 0.4 \text{ max.}$	
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 Ω // 15pF (50pF max.)	10k Ω // 15pF	
	TTL TTL(10TTL)	RL: 2k Ω CL: 15pF (10LSTTL)	
Operating Temperature	-10 ~ 60		°C

CASE DIMENSIONS (Unit:mm)



PIN CONNECTIONS

Pin#1	NC	Pin#5	Output
Pin#4	GND	Pin#8	V _{DD}