

CRYSTAL OSCILLATOR

(SMD TYPE)

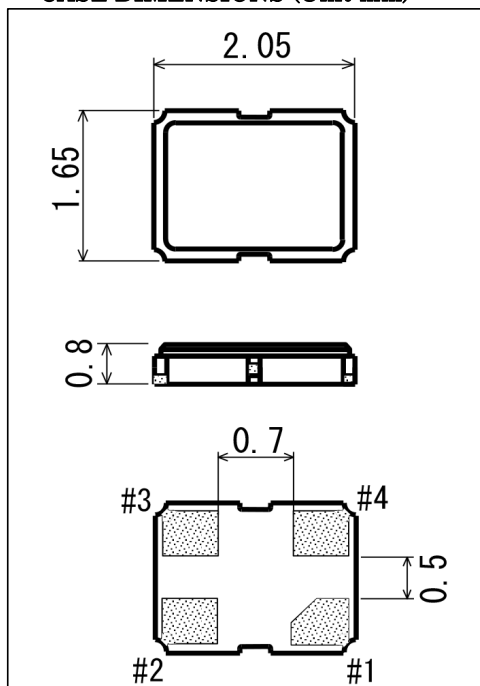
AOK-C2016SS

Spread Spectrum Type Crystal Clock Oscillator

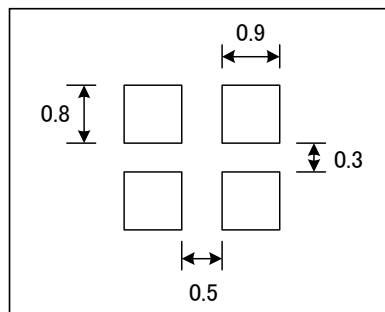
SPECIFICATIONS

Type No.	AOK-C2016SSC	AOK-C2016SSD	
Frequency Range	0.25 ~ 160.000		MHz
Modulation Rate	± 0.0625 , ± 0.125 , ± 0.25 ± 0.5 , ± 1.0 , ± 1.5 ± 2.0	-0.25, -0.5, -1.0 -1.5, -2.0	%
Supply Voltage	3.3 $\pm 5\%$, (1.8 $\pm 5\%$)		V
Current Consumption	25 max., (18 max.)		mA
Output Voltage	V_{OH} : $0.90V_{DD}$ V_{OL} : $0.15V_{DD}$		V
Symmetry	45/55		%
Rise/Fall Time	10 max. (0.25~20MHz) 6 max. (20~40MHz) 3max. (40MHz~)		nS
Load	15		pF
Operating Temperature	-40~+85		°C
Storage Temperature	-40~+85		°C
Modulation Frequency	31		KHz
Jitter (Cycle to Cycle)	310 max. <50MHz 100 max. >50MHz		pS

CASE DIMENSIONS (Unit:mm)



RECOMMENDED PADS



(We recommend external by-pass filter 0.01uF)

E/D FUNCTION

Pin#1: Open	Pin#3: Active
Pin#1: $>0.8V_{DD}$	Pin#3: Active
Pin#1: $<0.2V_{DD}$	Pin#3: High-Z

PIN CONNECTIONS

Pin#1	E/D	Pin#3	Output
Pin#2	GND	Pin#4	V_{DD}