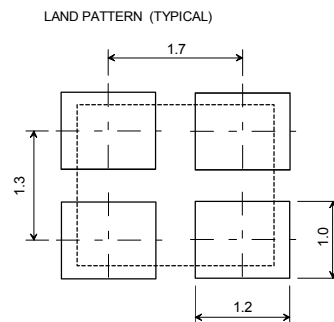
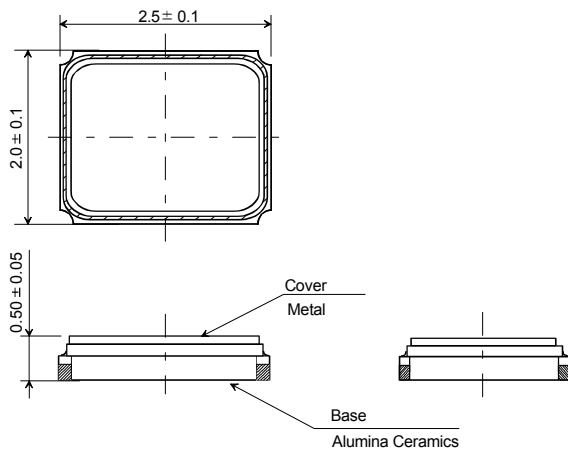
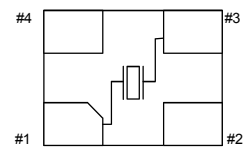


<b>1</b>	<b>NDK Part Number</b>	NX2520SA-19.200000MHz-NBG1
<b>2</b>	<b>Chipset Maker</b>	<a href="#">Please contact us</a>
<b>3</b>	<b>Application</b>	Multimedia processor on mobile phone
<b>4</b>	<b>Chipset Name</b>	<a href="#">Please contact us</a>
<b>5</b>	<b>NDK Specification Number</b>	EXS00A-CS05400
<b>6</b>	<b>Type</b>	NX2520SA
<b>7</b>	<b>Electrical Characteristics</b>	
7.1	Nominal Frequency ( $f_{nom}$ )	19.200 MHz
7.2	Overtone order	Fundamental
7.3	Adjustment tolerance	$\pm 20 \times 10^{-6}$ max.
7.4	Tolerance over the temperature range	$\pm 30 \times 10^{-6}$ max. ( at -30 to +85 °C )
7.5	Equivalent Series Resistance ( $R_r$ )	60 $\Omega$ max.
7.6	Maximum Drive Level	200 $\mu$ W max.
7.7	Aging ( at +25 °C )	$\pm 5 \times 10^{-6}$ max./1year
<b>8</b>	<b>Measurement Circuit</b>	
8.1	Frequency Measurement	
8.1.1	Measuring Instrument	$\pi$ -network (IEC)
8.1.2	Load Capacitance ( $C_L$ )	13 pF
8.1.3	Level of Drive	10 $\mu$ W
8.2	Equivalent Resistance Measurement	
8.2.1	Measuring Instrument	$\pi$ -network (IEC)
8.2.2	Load Capacitance ( $C_L$ )	Series
8.2.3	Level of Drive	10 $\mu$ W
<b>9</b>	<b>Operating Temperature Range</b>	-30 ~ +85 °C
<b>10</b>	<b>Storage Temperature Range</b>	-40 ~ +85 °C
<b>11</b>	<b>Dimension</b>	

(Unit: mm)



[Top view]  
Terminal land connections



TERMINAL  
#1,#3: X'tal  
#2,#4: GND(CONNECTION COVER)

