

Model Names of Surface-mount (SMD) Products

Our system for surface-mount (SMD) product model names is as follows:

Configuration of model names of surface-mount products



① Symbol for NDK: N

② Symbols for products: See Table 1.

Table 1 Symbols for products

Product symbol	Product
X	Crystal oscillator
T	Temperature-compensated crystal oscillator (TCXO)
H	Oven-controlled crystal oscillator (OCXO)
V	Voltage-controlled crystal oscillator (VCXO)
P	Simple packaged crystal oscillator (SPXO)
Z	Crystal clock oscillator
M	Monolithic filter
S	SAW device

③④ The nominal length (mm) of a product main body in the longitudinal direction is expressed in two digits. The third digit is rounded off.

⑤⑥ The nominal length (mm) of a product main body in the lateral direction is expressed in two digits. The third digit is rounded off.

Examples: 3.2 mm x 2.5 mm is expressed as 3225.

⑦ Symbols for constituent materials and sealing methods: See Table 2.

Table 2 Symbols for sealing methods

Product sealing category	Symbol	Product sealing method	Package material	
			Base	Cover
Hermetic sealing	C	Adhesive sealing	Ceramics	
	M	Resin molding	Resin	
	P	Adhesive sealing	Resin	
	G	Glass sealing	Ceramics	
	R	Resistance weld sealing	Ceramics	Metal
	S, D	Seam weld sealing	Ceramics	Metal
	A	Au/Sn sealing	Ceramics	Metal
	H	Resin sealing	Ceramics	Metal
Non-hermetic sealing	W	–	Board	Metal
	X	–	Board	Non-metal
	Y	–	Mold	Metal
	Z	–	Mold	Non-metal
Others	B	A printed board on which multiple crystal elements were mounted with a nameplate attached to its top surface		

⑧ Function mark : See Table3.

Table 3 Function mark

	NZ2520	NZ3225 / NZ2016 / NZ1612
A	Standard Type	Standard Type (Power supply variation improvement type)
B	Standard Type (Power supply variation improvement type)	-
C	Programmable Type	Programmable Type
D	Low Phase Noise Type	Low Phase Noise Type
E	High-precision Type	High-precision Type
F	Ultralow Power-Driven Type (Min. +0.8V)	Ultralow Power-Driven Type (Min. +0.8V)
G	Wide Operating Temperature Range Type	Wide Operating Temperature Range Type
H	Ultra high temperature type (Min. 125°C)	Ultra high temperature type (Min. 125°C)
J	Low current consumption Type	Low current consumption Type
K	Ultra output (32.768kHz + MHz)	Ultra output (32.768kHz + MHz)

⑨ Detailed symbols for the order of model name registration: A to Z