

SAW RESONATORS

SAW resonators have found applications as communications equipment have adopted high-frequency systems. They not only can be directly driven for oscillation using high frequencies, but also have a high Q factor to provide more advanced communications equipment, and thus are in wide use as resonators for RF modulation in VTRs, video disk players, personal computers and TV game machines.

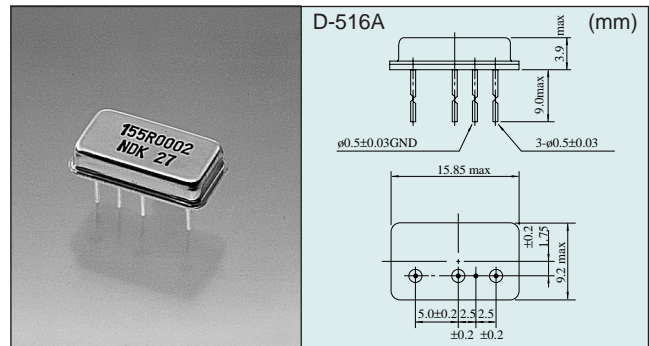
These SAW resonators allow the manufacturer to produce equipment with fewer parts than crystal oscillators. These models come with one-port and two-port resonators.

■ Features

- Direct oscillation in fundamental mode
- No spurious waves
- Stability due to the use of crystal substrates

■ 1 Port Resonator (Frequency Range: 60~320 MHz)

Characteristics Model	Nominal Frequency (MHz)	Frequency Tolerance (25°C) ($f_0 \times 10^{-6}$)	Q value (min)	Equivalent Resistance (Ω)	Shunt Capacitance (pF)	Maximum Input mW max (dBm)	Measuring Circuit	Operating Temp. Range (°C)	Type
155R0040A	155.520	± 800	10000	80	3 ± 1	1(0)	π network	0~+70	D-516A



■ 2 Port Resonator (Frequency Range: Over 250~700 MHz)

Characteristics Model	Nominal Frequency (MHz)	Frequency Tolerance (25°C) ($f_0 \times 10^{-6}$)	Load Q (min)	Insertion Loss (dB)	Spurious (dB)	Phase Shift (°)	Maximum Input mW max (dBm)	Operating Temp. Range (°C)	Type
303R0066	303.875	± 800	5000	15	8(± 10 MHz max)	180	3(5)	-30~+80	D-521E

