

SEIKO EPSON CORPORATION



Model	Item	312 MHz to 500 MHz		500 MHz to 870 MHz		
NIC 22D	Frequency tolerance (standard)	±50 × 10 ⁻⁶ , ±100 × 10 ⁻⁶ *1		±100 × 10 ⁻⁶		
N3-32K	Motional resistance (ESR)	30 Ω Max.				
Model	Item	230 MHz to 250 MHz	250 MHz to 300 MHz	300 MHz to 500 MHz	500 MHz to 870 MHz	
FS-335	Frequency tolerance (standard)	—	—	$\pm 50 imes 10^{-6}, \pm 100 imes 10^{-6} * 1$	$\pm 100 \times 10^{-6}$	
	Motional resistance (ESR)	—		25 Ω Max.	40 Ω Max.	
FS-555	Frequency tolerance (standard)	±50 × 10 ⁻⁶ , ±100 × 10 ⁻⁶ *1			—	
	Motional resistance (ESR)	40 Ω Max.	25 Ω Max.		—	

As per below table

2 Min

As per table below $\frac{\pm 10 \times 10^{-6} / \text{ year Max}}{\pm 10 \times 10^{-6} \text{ Max}}$

+25 °C±15 °C

-(3.4 ±0.8) × 10⁻⁸ / °C²

+25 °C

+25 °C

Please specify

Nine drops on a concrete surface from 1500 mm

*1 Please contact us regarding frequency tolerance ($< \pm 50 \times 10^{-6}$

1

Model

NS-32R 312.00000MHz <u>99.0</u> +50.0-50.0

+25 °C±20 °C

-(1.6 ±0.4) × 10⁻⁸ / °C²

Product name (Standard form)

Frequency tolerance (standard)

Turnover temperature

Motional resistance (ESR)

Parabolic coefficient

Harmonic ratio

Frequency aging

Shock resistance

2 3 ②Frequency

f_tol

Ti

B

Rs/R1

R1

f_age

S.R

Frequency tolerance / Motional resistance

4 ③Load capacitance(99.0=∞) ④Frequency tolerance(× 10⁻⁶, +25 °C)

External dimensions





PROMOTION OF ENVIRONMENTAL MANAGEMENT SYSTEM CONFORMING TO INTERNATIONAL STANDARDS

At Seiko Epson, all environmental initiatives operate under the Plan-Do-Check-Action (PDCA) cycle designed to achieve continuous improvements. The environmental management system (EMS) operates under the ISO 14001 environmental management standard.

All of our major manufacturing and non-manufacturing sites, in Japan and overseas, completed the acquisition of ISO 14001 certification.

WORKING FOR HIGH QUALITY

In order provide high quality and reliable products and services than meet customer needs,

Seiko Epson made early efforts towards obtaining ISO9000 series certification and has acquired ISO9001 for all business establishments in Japan and abroad. We have also acquired ISO/TS 16949 certification that is requested strongly by major automotive manufacturers as standard.

Explanation of the mark that are using it for the catalog

ISO 14000 is an international standard for environmental management that was established by the International Standards Organization in 1996 against the background of growing concern regarding global warming, destruction of the ozone layer, and global deforestation.

ISO/TS16949 is the international standard that added the sector-specific supplemental requirements for automotive industry based on ISO9001.

Free	► Pb free.
	► Complies with EU RoHS directive.
RoHS	*About the products without the Pb-free mark.
Compliant	Contains Pb in products exempted by EU RoHS directive.
	(Contains Pb in sealing glass, high melting temperature type solder or other.)
For Automotive	► Designed for automotive applications such as Car Multimedia, Body Electronics, Remote Keyless Entry etc.
Automotive Safety	► Designed for automotive applications related to driving safety (Engine Control Unit, Air Bag, ESC etc).

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