

## Low phase-noise

### Tester

### Product profile

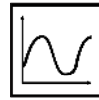
TN5026 Signal analyzer is a sharp tool to evaluate the index of atomic clock and high-performance crystal oscillator. It can measure the frequency stability, phase noise, frequency and other core technical indicators of signal sources, and the data is easy to observe, analyze and save.

### Product feature

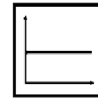
- Almost all the frequency characteristics and noise characteristics of the signal sources can be analyzed
- Input frequency 0.5-30MHz
- Quick one-piece measurements with the host computer software

### Technical Parameters

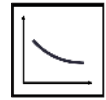
### Application scenarios



Measuring frequency



Frequency stability



Phase noise



Frequency drift rate

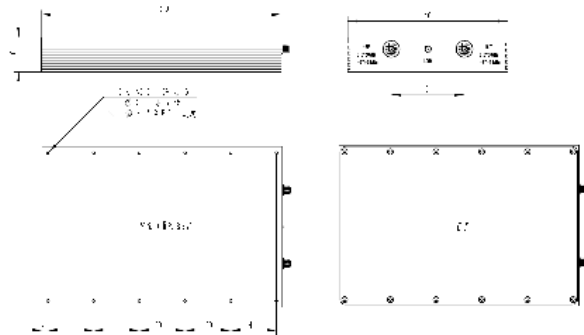


Frequency reproduction



Temperature characteristic

### External Dimension



Test Item		Technical Indicators
Input frequency	DUT&REF	0.5~30MHz
Input power range	DUT&REF	-5dBm~+18dBm
Input Level Requirements	DUT&REF	DC isolation, AC signal only
Input Impedance and VSWR Requirements	DUT&REF	50Ω, VSWR ≤ 1.5:1
ALLAN Variance background	DUTvsREF	≤ 1×10 <sup>-13</sup> @1s ≤ 5×10 <sup>-15</sup> @1000s
Phase Noise background	DUTvsREF	≤ -140dBc/Hz@1Hz at 5MHz ≤ -170dBc/Hz@10kHz at 5MHz ≤ -130dBc/Hz@1Hz at 25MHz ≤ -165dBc/Hz@10kHz at 25MHz
Power supply		Standard configuration 100-240VAC, 30W power supply
External dimension		210 mm×140mm×30mm