

Low phase-noise

Tester

Product profile

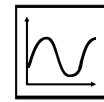
TN5026 Signal analyzer is a sharp tool to evaluate the index of atomic clock and high-performance crystal oscillator. It can measure the frequency stability, phase noise, frequency and other core technical indicators of signal sources, and the data is easy to observe, analyze and save.

Product feature

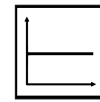
- Almost all the frequency characteristics and noise characteristics of the signal sources can be analyzed
- Input frequency 0.5-30MHz
- Quick one-piece measurements with the host computer software

Technical Parameters

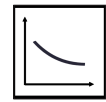
Application scenarios



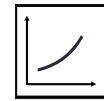
Measuring frequency



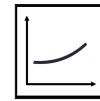
Frequency stability



Phase noise



Frequency drift rate

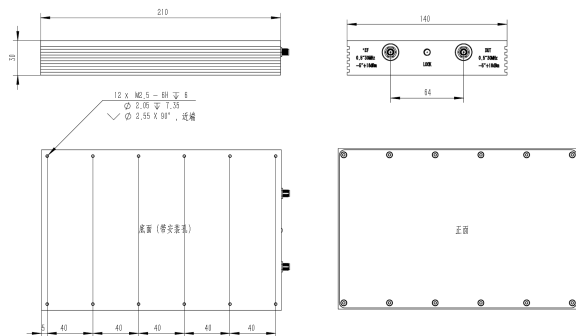


Frequency reproduction



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 ⁻¹³ @1s ≤ 5×10 ⁻¹⁵ @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