

DK-DNA10

VNA Demo Board

100Ω Differential Transmission Line

Insertion Loss: 2.8 dB typ. @ 10 GHz
Return Loss: 10 dB typ. @ DC to 26.5 GHz

9.5 GHz Band-Pass Filter

Passband Frequency: 9 to 10 GHz
Insertion Loss: 9.0 dB typ.
Return Loss: 10 dB typ.
Attenuation: 50 dB typ. @ 6 GHz / 13 GHz

Mixer

LO/RF Frequency Range: 3 to 6 GHz
IF Frequency Range: DC to 2 GHz

50Ω Transmission Line

Insertion Loss: 2.8 dB typ. @ 10 GHz
Return Loss: 10 dB typ. @ DC to 26.5 GHz

3.2 GHz Low-Pass Filter

Passband Frequency: DC to 3.2GHz
Insertion Loss: 3.2 dB typ.
Return Loss: 10 dB typ.
Attenuation: 60 dB typ. @ 5 GHz

7 GHz Power Divider

Passband Frequency: 5 to 9GHz
Insertion Loss: 5.2 dB typ.
Return Loss: 10 dB typ.
Output Port Isolation: 12 dB typ.

8 GHz Coupler

Passband Frequency: 7 to 9 GHz
Insertion Loss: 3.2 dB typ.
Return Loss: 10 dB typ.
Coupling: 7.5 ± 1.5 dB typ.

