

Current as of 03/19/03
Sergey

QUANTUM DESIGN DC SQUID Sensor Specifications

Customer: _____ Work Order No. _____

Model: DC SQUID DC SQUID No.: A53.4
Wafer: 50.3 Mfg. Date: 12-05-02

Bias Current: 25.64 μA
SQUID Gain: 0.656 mV/Φ_0
Signal Mag: 0.188 mV

Modulation Coil Coupling: 1.25 $\mu A/\Phi_0$
Input Coil Coupling: 0.192 $\mu A/\Phi_0$
Input Coil Inductance: 1.97 μH
Current Limit: > 19 mA

$1/f$ Noise Corner Frequency: < 0.35 Hz
Noise @ 100 Hz
No Load: 3.92 $\mu\Phi_0/\sqrt{Hz}$ 5.58×10^{-31} J/Hz
Load: 3.67 μH 3.39 $\mu\Phi_0/\sqrt{Hz}$ 4.17×10^{-31} J/Hz

QUANTUM DESIGN

DC SQUID Sensor Specifications

Customer: _____ Work Order No. _____

Model: DC SQUID

DC SQUID No.: A56-16

Wafer: SQZ12.3

Mfg. Date: 6/6/03

Bias Current: 12.31 μA

SQUID Gain: 0.525 mV/Φ_0

Signal Mag: 0.138 mV

Modulation Coil Coupling: 1.489 $\mu\text{A}/\Phi_0$

Input Coil Coupling: 0.195 $\mu\text{A}/\Phi_0$

Input Coil Inductance: 1.92 μH

Current Limit: > 17 mA

f_c Noise Corner Frequency: < 0.375 Hz

Noise @ 100 Hz

No Load: 3.33 $\mu\Phi_0/\sqrt{\text{Hz}}$ 4.05×10^{-31} J/Hz

Load: 3.67 μH 3.12 $\mu\Phi_0/\sqrt{\text{Hz}}$ 3.55×10^{-31} J/Hz