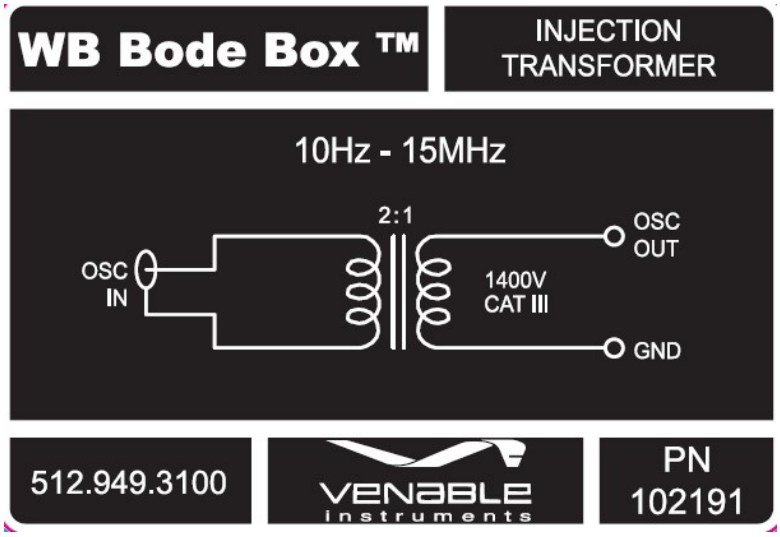
BODE BOX

WB and LF Bode Box

The purpose of injection transformers is to accurately couple an oscillator signal into a feedback loop with minimum distortion and/or capacitive coupling. The transformers are designed to have low magnetizing current and flat coupling over the specified frequency ranges. The output impedance over the specified range is less an 10 ohms, except for the LF Bode Box, which has a constant output impedance of 100 ohms.



Wide Band Bode Box

Size—W 3.33" x D4.43" x H 1.73"

Optimum Frequency: 100Hz to 10MHz

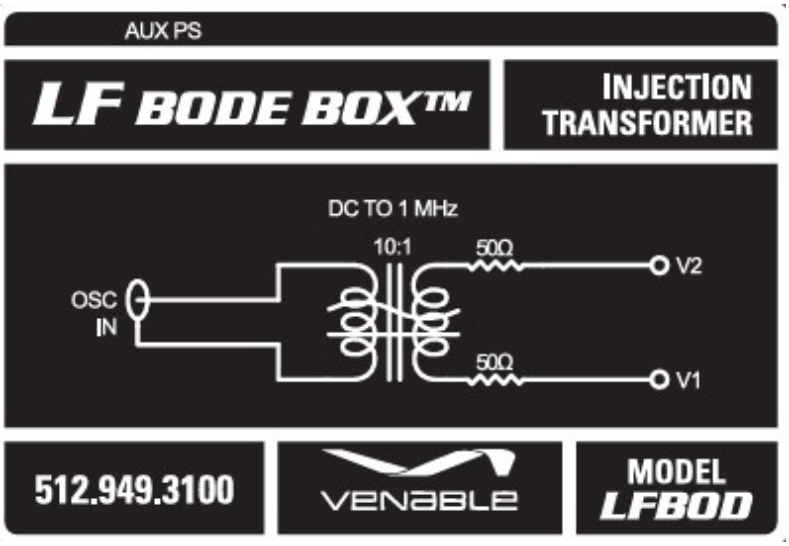
Usable Frequency: 10Hz to 15MHz

Input Voltage Range (max): +/-10Vpk

Input to Output Isolation: 1400Vrms

Attenuation: 2:1

The Wide Band Bode Box is a high performance injection transformer. It accurately couples an oscillator signal into a feedback loop with minimum distortion and/or capacitive coupling. The transformer is designed to have flat coupling over the specified frequency range.



Low Frequency Bode Box

Size—W 3.33" x D4.43" x H 1.73"

Input Power: 9-18 VDC , 6W

Optimum Frequency: DC—1MHz

Output Impedance: 100 Ohms

Input Impedance: 14 k Ohms

Input Voltage Range (max): +/-10Vpk

Input to Output Isolation: 1.4 kVrms

The Low Frequency Bode is a isolated high performance electronic injection transformer analog. It accurately couples an oscillator signal into a feedback loop with minimum distortion and/or capacitive coupling. The electronic transformer is designed to have flat coupling over the specified frequency range. The output impedance over the specified range is a constant output impedance of 100 ohms.