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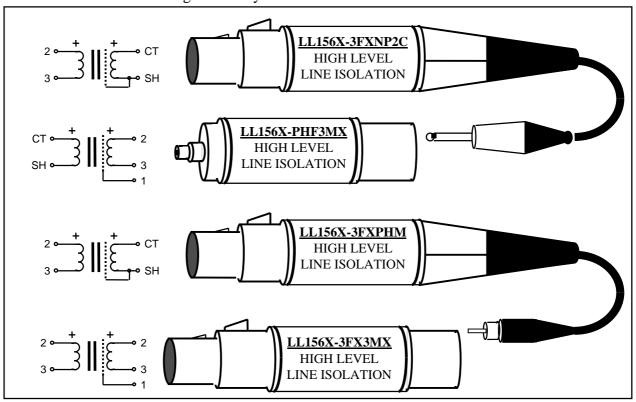
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High Level, High Impedance Ground Isolation Unit Balanced to Unbalanced Converter LL156X

The XLR inline transformer unit LL156X is designed for breaking up ground loops and for balanced-to-unbalanced conversion in mobile or stationary audio systems. The unit is magnetically shielded and contains a high impedance input transformer LL1565, with LF saturation above +22 dBU, 40 Hz.

The two ends of the unit are galvanically isolated from each other.



The LL156X is available in four versions:

LL156X-3FXNP2C Female XLR connector to 2-pole 'A'-gauge 1/4" jack plug **LL156X-PHF3MX** Female Phono (RCA) connector to male XLR connector

LL156X-3FXPHM Female XLR connector to Phono (RCA) male LL156X-3FX3MX Female XLR connector to male XLR connector

Characteristics of built in transformer LL1565

1.6 kΩ **Static resistance of primary:** $1.3 \text{ k}\Omega$ **Static resistance of secondary:**

Core: Amorphous strip core Max level: +22 dBU @ 40 Hz No-load impedance (@20 dBU, 50Hz) 220 k Ω typically

Frequency response @ 0 dBU (source 600Ω , load $10k\Omega$) 4 Hz - 100 kHz +/- 0.5 dB

Distortion (THD, source 600Ω) < 0.2 % @ 50 Hz, 0 - 22 dBU Loss across transformer, load $10k\Omega$ / $100k\Omega$ 2.2 dB / 0.3 dB

Isolation between windings: 1 kV

R980415