

# Balanced Line Receivers

## A Range of Solutions

	<b>1200-series InGenius® High CMRR Line Receiver</b>	<b>1240-series Single Balanced Line Receiver</b>	<b>1250-series Low-Cost Balanced Line Receiver</b>	<b>1280-series Dual Balanced Line Receiver</b>	<b>NEW! 1290-series Low-Cost Dual Balanced Line Receiver</b>
Features	<ul style="list-style-type: none"> <li>Transformer-like performance</li> <li>Maintains CMRR under real-world conditions</li> </ul>	<ul style="list-style-type: none"> <li>High performance</li> <li>Industry-standard pinout</li> </ul>	<ul style="list-style-type: none"> <li>Low cost</li> <li>Industry-standard pinout</li> </ul>	<ul style="list-style-type: none"> <li>Two independent channels</li> <li>High performance</li> <li>Industry-standard pinout</li> </ul>	<ul style="list-style-type: none"> <li>Two independent channels</li> <li>Very small footprint</li> </ul>
CMRR	90 dB	90 dB	50 dB	90 dB	50 dB
Source impedance	90 dB	59 dB	47 dB	59 dB	47 dB
imbalance	90 dB	39 dB	37 dB	39 dB	37 dB
Gains	0dB, -3dB, -6dB	0dB, ±3dB, ±6dB	0dB, ±3dB, ±6dB	0dB, ±3dB, ±6dB	0dB, ±3dB, ±6dB
PSRR (60 or 100 Hz)	80 dB	90 dB	90 dB	90 dB	90 dB
Max Power Supply (Vcc-Vee)	36 Vdc	36 Vdc	36 Vdc	36 Vdc	36 Vdc
Supply Current	Typ: 4.7 mA	Typ: 2 mA	Typ: 2 mA	Typ: 3 mA (per channel)	Typ: 3 mA (per channel)
Output Noise (per channel)	-107 dBu	-106 dBu	-106 dBu	-107 dBu	-107 dBu
THD+N (typ. conditions)	0.0005 %	0.0006 %	0.0006 %	0.0006 %	0.0006 %
Package	SO-8, DIP-8	SO-8, DIP-8	SO-8, DIP-8	SO-14	QSOP-16
Applications	<ul style="list-style-type: none"> <li>Transformer front end replacements</li> <li>Balanced audio line receivers</li> <li>Instrumentation amps</li> <li>Differential amps</li> </ul>	<ul style="list-style-type: none"> <li>Balanced audio line receivers</li> <li>Instrumentation amps</li> <li>Differential amps</li> </ul>	<ul style="list-style-type: none"> <li>Balanced audio line receivers</li> <li>Instrumentation amps</li> <li>Differential amps</li> </ul>	<ul style="list-style-type: none"> <li>Balanced audio line receivers</li> <li>Instrumentation amps</li> <li>Differential amps</li> </ul>	<ul style="list-style-type: none"> <li>Balanced audio line receivers</li> <li>Instrumentation amps</li> <li>Differential amps</li> </ul>