

Balanced Line Receivers

A Range of Solutions

	1200-series InGenius® High CMRR Line Receiver	1240-series Single Balanced Line Receiver	1250-series Low-Cost Balanced Line Receiver	1280-series Dual Balanced Line Receiver	1290-series Low-Cost Dual Balanced Line Receiver	
Features	<ul style="list-style-type: none"> Transformer-like performance Maintains CMRR under real-world conditions 	<ul style="list-style-type: none"> High performance Industry-standard pinout 	<ul style="list-style-type: none"> Low cost Industry-standard pinout 	<ul style="list-style-type: none"> Two independent channels High performance Industry-standard pinout 	<ul style="list-style-type: none"> Two independent channels Very small footprint 	
CMRR						
Source impedance	0 Ω	90 dB	90 dB	50 dB	90 dB	50 dB
imbalance	20 Ω	90 dB	59 dB	47 dB	59 dB	47 dB
	200 Ω	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"> Transformer front end replacements Balanced audio line receivers Instrumentation amps Differential amps 	<ul style="list-style-type: none"> Balanced audio line receivers Instrumentation amps Differential amps 	<ul style="list-style-type: none"> Balanced audio line receivers Instrumentation amps Differential amps 	<ul style="list-style-type: none"> Balanced audio line receivers Instrumentation amps Differential amps 	<ul style="list-style-type: none"> Balanced audio line receivers Instrumentation amps Differential amps 	