

Featured Products



The world's first* noise-free design

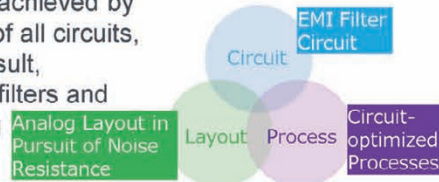
Op Amps High EMI Immunity

BA8290xYxx-C Series

*ROHM January 2018 study

Unsurpassed* EMI tolerance

Breakthrough EMI immunity is achieved by conducting a thorough review of all circuits, layout, and processes. As a result, we were able to eliminate EMI filters and shielding, significantly reducing design load.



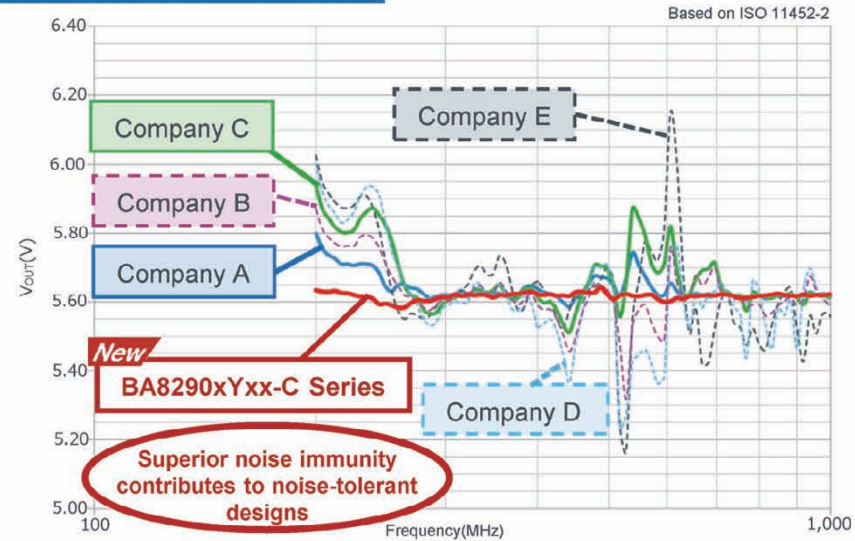
Industry-standard performance

Provides equivalent performance as existing Op Amps, making replacement easy.

Complies with the world standard for reliability

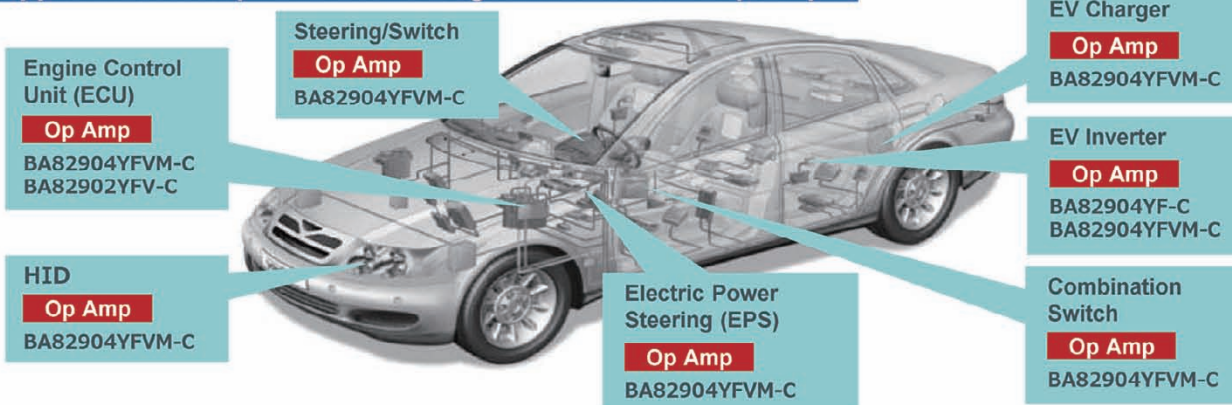
ROHM Op Amps are AEC-Q100 qualified, providing automotive-grade reliability.

Radio Wave Emission Test

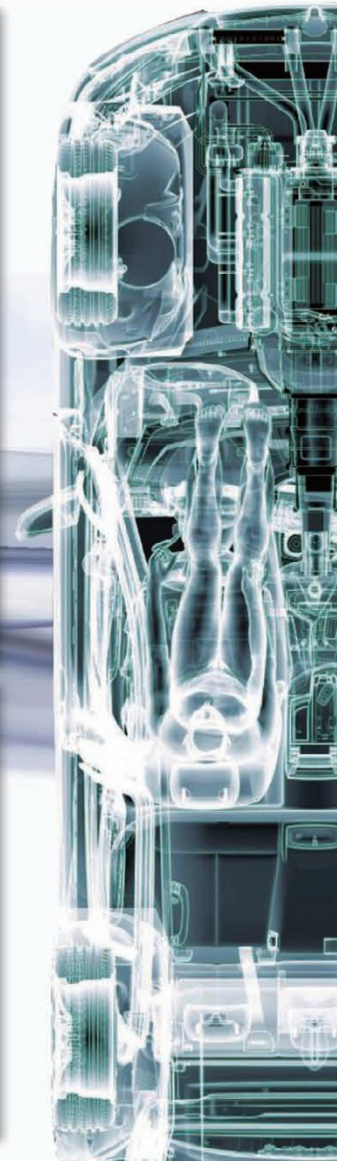


*The above data are measurement values of a typical IC mounted on a ROHM substrate and thus are not guaranteed. Please conduct thorough design and evaluations under actual operating conditions.

Application example of ROHM's High EMI Tolerance Op Amps



Package



Excellent EMI Characteristics Ground Sense Op Amps

•Ideal for impedance conversion and amplification of weak signals •Optimized for high voltage circuits such as engine ECUs and EVs

Part No.	CH	Supply Voltage (V)	Circuit Current (mA)	Input Offset Voltage (mV)	Input Bias Current (nA)	Output Current (mA)	Input Voltage Range (V)	Output Voltage Range (V)	Voltage Gain (dB)	CMRR (dB)	PSRR (dB)	Slew Rate (V/μs)	Gain Bandwidth Product (MHz)	Operating Temperature (°C)	Package
New BA82904YF-C	2	3 to 36	0.5	2.0	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.2	0.5	-40 to +125	SOP8
New BA82904YFVM-C															MSOP8
New BA82902YF-C	4	3 to 36	0.7	2.0	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.2	0.5	-40 to +125	SOP14
New BA82902YFV-C															SSOP-B14

Automotive Ground Sense Op Amps

Part No.	CH	Supply Voltage (V)	Circuit Current (mA)	Input Offset Voltage (mV)	Input Bias Current (nA)	Output Current (mA)	Input Voltage Range (V)	Output Voltage Range (V)	Voltage Gain (dB)	CMRR (dB)	PSRR (dB)	Slew Rate (V/μs)	Gain Bandwidth Product (MHz)	Operating Temperature (°C)	Package
BA2904YF-C	2	3 to 36	0.5	2.0	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.2	0.5	-40 to +125	SOP8
BA2904YFV-C															SSOP-B8
BA2904YFVM-C															MSOP8
BA2902YF-C	4	3 to 36	0.7	2.0	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.2	0.5	-40 to +125	SOP14
BA2902YFV-C															SSOP-B14
BA2904YF-M	2	3 to 36	0.5	2.0	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.2	0.5	-40 to +125	SOP8
BA2904YFV-M															SSOP-B8
BA2904YFVM-M															MSOP8
BA2902YF-M	4	3 to 36	0.7	2.0	20	30	V_{EE} to $V_{CC}-1.5$	V_{EE} to $V_{CC}-1.5$	100	80	100	0.2	0.5	-40 to +125	SOP14
BA2902YFV-M															SSOP-B14



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The content specified in this document is correct as of January 1st, 2018.