

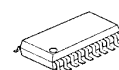
3-Channels Differential Output Line Amplifier

■ GENERAL DESCRIPTION

The **NJW1241** is a differential output 3-channel audio line amplifier for High Voltage Pre-out of Car AV system. It can swing 5Vrms(14.1V peak-to peak) signal at 8V operating voltage /single-end output because of including the charge pump circuit.

Ground-referenced outputs eliminate output coupling capacitor. The pop noise suppression circuit reduces a pop noise at the power-on and power-off.

□ PACKAGE OUTLINE



NJW1241V

■ FEATURES

ℓ Operating Voltage	6.0V to +10V
ℓ Operating Current	$I_{DD}=12\text{mA typ.}$ at $V^+=8\text{V}$, $R_L=47\text{k}\Omega$, No Signal
ℓ Maximum Output Voltage	5.0Vrms min. @single-end output
ℓ Low Distortion	0.004% typ
ℓ Output Coupling Capacitor-less	
ℓ External Synchronizing	Divide-by-2
ℓ Pop Noise Suppression Circuit	
ℓ External Mute	
ℓ Gain Select	+6dB/+8dB
ℓ RF Immunity OpAmp tolerant to FR noise. (ex. mobile phone)	
ℓ Bi-CMOS Technology	
ℓ Package Outline	SSOP32

■ BLOCK DIAGRAM

