

Part No. UPC1237HA

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UPC1237HA Datasheet (PDF) - NEC

Part No.	UPC1237HA	Product: Multilayer Ceramic Capacitors for 150°C TAIYO YUDEN
Description	PROTECTOR IC FOR STEREO POWER AMPLIFIER	
File Size	1151.17 Kbytes	Description: <ul style="list-style-type: none"> For Automotive Powertrain Applications AEC-Q200 Compatible Size from 1005 to 3225
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DATA SHEET

BIPOLAR ANALOG INTEGRATED CIRCUIT
μPC1237

PROTECTOR IC FOR STEREO POWER AMPLIFIER

DESCRIPTION

μPC1237 is a monolithic integrated circuit designed for protecting stereo power amplifiers and loudspeakers.

FEATURES

- Work stably within a wide power supply voltage range. ($V_{CC} = 25$ to 60 V)
- Contain a relay driver. (Max. $I_G = 80$ mA)
- Work as either latching function or automatic resetting function by using pin 3. (In both overload detection and output offset detection, either function can be selected.)
- Need only single power supply.
- Both positive and negative output offset can be detected through the same pin. (Output offset detection through pin 2)
- AC voltage can be detected. (For AC-power-OFF mute through pin 4)
- The time delay from amplifier power ON to relay ON can be freely set by selecting external components. (For AC-power-ON mute through pin 7)
- The moment that amplifier-power is turned off, it can make relay broken OFF and then loudspeaker disconnected from amplifier to prevent a shock off noise.

ORDERING INFORMATION

PART NUMBER	PACKAGE	QUALITY GRADE
μPC1237HA	8 PIN PLASTIC SLIM SIP	Standard

Please refer to "Quality grade on NEC Semiconductor Devices" (Document number IEI-1209) published by NEC Corporation to know the specification of quality grade on the devices and its recommended applications.

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Related Electronics Part Number

Part Number	Components Description	Html View	Manufacturer
LA4275	6.0 W AF Power Amplifier for Home Stereo TV Use	1 2	Sanyo Semicon Device
LA4905	17-W 2-Channel BTL AF High-Efficiency Power Amplifier for Car Stereo Systems	1 2 3 4 5 More	Sanyo Semicon Device
LA4425A	5 W Power Amplifier with Very Few External Parts for Car Radio and Car Stereo	1 2 3 4 5 More	Sanyo Semicon Device
LA4460	12W AF Power Amplifier For Car Radio or Car Stereo	1 2 3 4 5	Sanyo Semicon Device
AN7082K	PRE/POWER AMPLIFIER GOVERNOR SINGLE CHIP IC FOR 3V HEADPHONE STEREO	1 2 3 4 5	Panasonic Semiconductor
NTE1390	Integrated Circuit Audio Power Amplifier 12W for Car Radio or Car Stereo	1 2 3	NTE Electronics
NTE7100	Integrated Circuit Protector IC for Stereo Power Amplifier	1 2	NTE Electronics
NTE1802	Integrated Circuit Power Amplifier for Car Stereo Radio 12W/Ch or 24W BTL	1 2 3 4	NTE Electronics
PS9604	Stereo 24-Bit 192kHz PCM-to-PWM Converter for Full Digital Power Amplifier	1 2 3 4 5 More	List of Unclassified Manufacturers

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