

ICs for Audio Applications

Accessories

● KARAOKE echo system

| Part No. | Supply voltage range (V) | Function | Feature | Package |
|-----------------------|--------------------------|-------------------------|--|-----------------|
| BA7760/F | 6~14 | MIC amplifier | Built-in low noise dual mic amplifier, muting function. | DIP14/SOP14 |
| BA7726S/FS | 6.5~12 | Analog compand | Built-in echo mix circuit with anti echo EVR; line mix amplifier; mic muting function; buffer amplifier for composing LPF. | SDIP22/SSOP-A20 |
| NEW BA7728S/FS | 4.5~12 | Stereo analog compander | Level controlled echomixer, stereo line mix amp, vocal cut, vocal detect, MICALC, multiplex sound output switch, mic mute | SDIP32/SSOP-A32 |
| BU9250S/F | 4.5~5.5 | Digital delay | 8-bit ADC/DAC, delay memory(8K), delay time selector, delay time:120mS(fosc=375KHz) | SDIP18/SOP18 |
| BU9251S/F | 4.5~5.5 | Digital delay | 8-bit ADC/DAC, delay memory(8K), delay time selector, delay time:150mS(fosc=455KHz) | SDIP18/SOP18 |
| ☆BU9252S/F | 4.5~5.5 | Digital delay | 8-bit ADC/DAC, delay memory(16K), delay time selector, delay time:144mS(fosc=455KHz) | SDIP18/SOP18 |

Note : 1. ☆ Under Development

● Level meter

| Part No. | Supply voltage range (V) | Display | Dot | Function | Scale | Feature | Package | | | |
|---------------|--------------------------|---------|---------------|---------------|--|--|---|---|---|-------------|
| BA6104 | 9~15 | LED | 5 | Bar | Linear | Operating voltage range 9~15V. | SIP9 | | | |
| BA6125 | 3.5~16 | | | | | VU | Built-in rectifier amplifier and reference regulator. LED current is made constant. | Wide operating voltage range 3.5~16V. | SIP9 | |
| BA6124/F | 3.5~16 | | | | | | | For red LED drive. | SIP9/SOP14 | |
| BA6137 | 3.5~16 | | | | | | | Wide compare level -13~+13 dB | SIP9 | |
| BA6144 | 3.5~16 | | | | | | | High amplifier gain. | SIP9 | |
| BA6154 | 3.5~16 | | | | | | | | | |
| BA684A | 6.5~14 | | | | 8 | Bar | Linear | Built-in two half wave rectifier amps. The level of the largest one of the two inputs is displayed. | DIP16 | |
| BA682A/AF | 10~14 | | | | 12 | Dot/Bar | VU | Built-in half wave rectifier amplifier. LED is direct drivable. | External setting of LED current. Turn on and off periods of LED can be controlled by adjusting external resistor and capacitor. | DIP18/SOP18 |
| BA681A | 10~14 | | | | | | Power | | | DIP18 |
| BA683A | 10~14 | | | | | | Linear | | | DIP18 |
| BA689 | 10~14 | | DIP18 | | | | | | | |
| BA6820F | 4.5~5.5 | 12×2 | Bar/Peak hold | VU | 2ch display by dynamic drive system. 2 mode display by independent AC and DC display. Peak hold function between -7 ~10dB and reset function. Muting function. | RIN=3kΩ | SOP22 | | | |
| BA6822S/F | 4.5~5.5 | | | | | RIN=300Ω | SDIP22/SOP22 | | | |
| BA6146 | 7.5~20 | 12 | Bar | VU | Built in input rectifier amplifier meeting both AC and DC input signals. | | DIP16 | | | |
| BA6810S/F | 4.5~5.5 | FL | 12×2 | Bar/Peak hold | VU | 2ch display by dynamic drive system. Peak hold function between -7 ~10 dB. Muting function Square-law compression amplifier. | Level adj. pin | SDIP30/SOP28 | | |
| BA6800A/AS/AF | 4.5~5.8 | | | | | | Available to 2 mode display by independent AC and DC display | Duty cycle : 1/8 | DIP28/SDIP30/SOP28 | |
| BA6803S | 4.5~5.8 | | | | | | | | Duty cycle : 1/4 | SDIP30 |
| BA6805A | 4.5~5.8 | | | | | | | | DIP28 | |

● Ground isolation amplifier for car stereo

| Part No. | Supply voltage range (V) | Number of circuits | CMRR (dB) | THD (%) | Output noise voltage (μVrms) | Feature | Package |
|------------|--------------------------|--------------------|-----------|---------|------------------------------|--|----------------|
| BA3121/F/N | 4~18 | 2 | 57 | 0.002 | 3.5 | High CMRR eliminates noise completely. Small external capacitance. | DIP8/SOP8/SIP8 |

● High voltage head switch

| Part No. | Supply voltage range (V) | Function/Feature | Package |
|-----------|--------------------------|--|------------|
| BA3126F/N | 4.5~15 | 2 high voltage head switches for playback and 2 switches for record. | SOP14/SIP9 |

● Auto scan meter

| Part No. | Supply voltage range (V) | Display | Dot | Function | | Feature | Package |
|----------|--------------------------|---------|-----|--------------------------------------|-------------|---------|---------|
| | | | | FM | AM | | |
| BA695 | 4.5~14 | LED | 3 | Tuning/detuning direction indication | Level meter | | SIP9 |

● Square-law compression amplifier

| Part No. | Supply voltage range (V) | Circuit | Function | Feature | Package |
|----------|--------------------------|---------|---|---|------------|
| BA6138/F | 8.5~16 | 2ch | 1/2 square-law compression amplifier with good linearity. | Stabilized power supply. Muting function. | SIP9/SOP14 |