

ICs for Video Applications

VTR audio signal processor

●PRE/REC amplifier of standard audio

| Part No. | Supply voltage range (V) | Function | | | | | | Feature | Package |
|-----------|--------------------------|--------------|--------------|---------------|-------------|---------------|------------------|--------------------------------------|----------|
| | | Input switch | MC amplifier | Equalizer | Head switch | Ripple filter | REC power supply | | |
| BA7757BK | 4~6 | ○ | | 2 modes | Only PB | ○ | | Suitable for camcorder | QFP32 |
| BA7792LS | 7.5~12.5 | | | 3 modes | ○ | ○ | | | SZIP24 |
| BA7795LS | 7.5~12.5 | ○ | | Quasi 3 modes | ○ | ○ | | On-chip 2 input switches | SZIP24 |
| ☆BA7796FS | 7.5~12.5 | ○ | | Quasi 3 modes | ○ | ○ | | On-chip 3 input switches, RECEQ Coil | SSOP-A24 |
| ☆BA7797 | 7.5~12.5 | ○ | | 1 modes | ○ | ○ | | On-chip 2 input switches, RECEQ Coil | SOP-18 |
| ☆BA7798 | 7.5~12.5 | | | 1 modes | ○ | ○ | | On-chip RECEQ Coil | SSOP-A16 |

Note : 1.☆Under Development

●High voltage head switch

| Part No. | Supply voltage range (V) | Function/Feature | Package |
|------------|--------------------------|--|-----------|
| BA7755A/AF | 4~13 | DC maximum withstand voltage $\pm 65V$. AC maximum withstand voltage : 120Vpp. 2 control-terminals as current-control type and voltage-control type. | SIP5/SOP8 |

Video/Audio switch

●VTR signal switch

| Part No. | Supply voltage range (V) | Circuit | Clamp | 6dB amplifier | 75Ω driver | Muting | Remarks | Package | |
|------------|--------------------------|---|------------|---------------|------------|--------|-----------------------------------|--|------|
| BA7001 | 8~13 | 2 inputs | 1 circuit | | | | Small difference in output DC. | SIP8 | |
| BA7131F | 5 | | ○ | | | ○ | Good low voltage characteristics. | SOP8 | |
| BA7605N | 5 | | 2 circuits | ○ | | | Good frequency characteristics. | SIP10 | |
| BA7603/F | 5 | 3 inputs | 3 circuits | ○ | | | Good frequency characteristics. | DIP16/SOP16 | |
| BA7606/F | 5 | | ○ | | | | Pedestal clamp. | DIP16/SOP16 | |
| BA7021 | 5 | | ○ | | | ○ | Good low voltage characteristics. | SIP9 | |
| BA7611AN | 4.5~13 | 3 inputs | 1 circuit | ○ | ○ | ○ | Wide dynamic range. | SIP8 | |
| BA7612N | 4.5~13 | | | ○ | ○ | ○ | Wide dynamic range. | SIP8 | |
| BA7613N | 4.5~13 | | | ○ | ○ | ○ | Wide dynamic range. | SIP8 | |
| ☆BA7652AF | 4.0~7.7 | | | ○ | | ○ | | Does not require large clamp capacitor (103. Typ.) | SOP8 |
| ☆BA7653AF | 4.0~7.7 | | | ○ | | | | | SOP8 |
| BA7645N | 4.5~13 | 4 inputs | ○ | | | ○ | Wide dynamic range. | SIP10 | |
| BA7649A/AF | 4.5~13 | 5 inputs | ○ | | | | Wide dynamic range. | DIP14/SOP14 | |
| BA7625 | 5 | 5 inputs into 2 circuits to 1 monitor output. | ○ | ○ | | | For AV amplifier. | DIP16 | |
| BA7626 | 5 | 5 inputs to 1 output. | | ○ | | | For AV amplifier. | DIP16 | |

●Video/audio signal switch

| Part No. | Supply voltage range (V) | Internal circuits | Clamp | 6dB amplifier | 75Ω driver | Muting | Remarks | Package |
|-----------|--------------------------|-------------------|------------|---------------|------------|-------------|---|---------|
| BA7604N | 5 | 2 inputs | 2 circuits | | | | Good frequency characteristics. Wide dynamic range. Small distortion rate. Low power consumption. | SIP10 |
| BA7608N | 5 | | | 1 circuit | | | | SIP10 |
| BA7609/F | 5 | | 1 circuit | | | DIP16/SOP16 | | |
| BA7607/F | 5 | | 2 circuits | | | DIP16/SOP16 | | |
| BA7602/F | 5 | | 3 circuits | | | DIP16/SOP16 | | |
| ☆BA7627FV | 5 | | 2 circuits | | | | SSOP-B16 | |
| BA7644AN | 4.5~13 | 4 inputs | 1 circuit | | | | | SIP10 |
| BA7026L | 8~13 | 4 inputs | 2 circuits | | | | Applying DIN standard | ZIP16 |
| BA7028A | 8~13 | | 3 circuits | | | | Applying DIN standard | DIP22 |

●Audio signal switch

| Part No. | Supply voltage range (V) | Function | Format | Internal circuits | Simul cast | Second audio program | Muting | Package |
|-------------|--------------------------|---------------|--------|--|------------|----------------------|--------|---------|
| BA7058LS | 7~13 | Output switch | 2ch | 2 lines 3 inputs and 2 lines 4 outputs | | | ○ | SZIP24 |
| BA7730S/31S | 7~12.5 ± 5 | In/out switch | 2ch | 3 lines 5 inputs and 2 lines 4 outputs 2 lines 4 inputs and 2 lines 4 outputs | ○ | ○ | ○ | SDIP32 |
| BH7733S | 9V, ± 5 | Input switch | 2ch | 6 lines 10 inputs and 2 lines 4 outputs | ○ | ○ | ○ | SDIP24 |