

CRANK IT UP

Components for the CATV Market

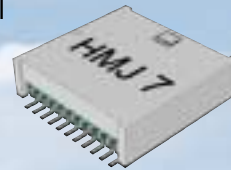
CATV Amplifiers



| CATV Amplifiers | Frequency Range (MHz) | Small Signal Gain (dB) | Noise Figure (dB) | P1dB (dBm) | OIP3 (dBm) | CSO/CTB (dBc) | DC Volts (V) | DC Current (mA) | Package Type |
|-----------------|-----------------------|------------------------|-------------------|------------|------------|---------------|--------------|-----------------|--------------|
| AH2 | 50-860 | 14.5 | 3.5 | 20 | 40 | -53/-75 | 5.0 | 150 | SOT-89 (A) |
| AH22-Single P-P | 50-860 | 11.7 | 4.5 | 23 | 42.5 | -63/-61 | 5.0 | 300 | SOIC-8 (B) |
| AH22-Dual P-P | 50-860 | 13.0 | 3.5 | 26 | 45 | -67/-64 | 5.0 | 600 | SOIC-8 (B) |

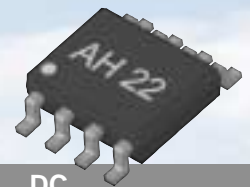
CSO and CTB test conditions: AH2 – 83 channel, 30 dBmV/channel, single-ended operation
 AH22 – 110 channel, 40 dBmV/channel

CATV Mixer



| CATV Mixer | Frequency Range (MHz) RF | Frequency Range (MHz) LO | Frequency Range (MHz) IF | LO Power (dBm) | Input P1dB (dBm) | Input IP3 (dBm) | Conversion Loss (dB) | Isolation L-R (dB) | Package Style |
|------------|--------------------------|--------------------------|--------------------------|----------------|------------------|-----------------|----------------------|--------------------|---------------|
| HMJ7 | 1000-2000 | 1000-2000 | 10-1000 | 21 | 23 | 34 | 8.5 | 24 | J-PAK-22 |

High Linearity Amplifiers



| High Linearity Amplifiers | Frequency Range (MHz) | Small Signal Gain (dB) | Noise Figure (dB) | P1dB (dBm) | OIP3 (dBm) | VSWR (I/O) | DC Volts (V) | DC Current (mA) | Package Type |
|---------------------------|-----------------------|------------------------|-------------------|------------|------------|------------|--------------|-----------------|--------------|
| AH101 New | 50-1500 | 13.0 | 5.0 | 27 | 45 | 2.0/2.0 | 9.0 | 200 | SOT-89 (B) |
| AH1 | 250-3000 | 13.5 | 2.7 | 21 | 41 | 2.6/1.4 | 5.0 | 150 | SOT-89 (A) |
| AM1 | 250-3000 | 14.0 | 2.4 | 18 | 37 | 2.1/1.4 | 4.5 | 75 | SOT-89 (A) |
| AG101 New | 250-3000 | 14.0 | 2.4 | 15 | 32 | 2.1/1.4 | 4.5 | 50 | SOT-89 (A) |



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