

Specifications — IN3204, IN3254 Distribution Amplifiers

Video

| | |
|-----------------|------------------------------|
| Gain | Unity or +30% |
| Bandwidth | 375 MHz (-3dB), fully loaded |

Video input

| | |
|--------------------|---|
| Number/signal type | |
| IN3204 | 1 RGBS, RGsB, RsGsBs, component video, or S-video; <i>or</i> up to 3 composite video |
| IN3254 | 1 RGBHV, RGBS, RGsB, RsGsBs, component video, or S-video; <i>or</i> up to 3 composite video |

Connectors

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|--------------|--------------|
| IN3204 | 4 female BNC |
| IN3254 | 5 female BNC |

| | |
|------------------------------|---|
| Nominal level | 0.7V p-p for RGB |
| Minimum/maximum levels | Analog: 0.3V to 2.2V p-p with no offset at unity gain |
| Impedance | 75 ohms |
| Horizontal frequency | 15 kHz to 115 kHz |
| Vertical frequency | 30 Hz to 120 Hz |
| Return loss | <-37dB @ 5 MHz |

Video output

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|--------------------|--|
| Number/signal type | |
| IN3204 | 4 RGBS, RGsB, RsGsBs, component video, S-video; or up to 12 composite video |
| IN3254 | 4 RGBHV, RGBS, RGsB, RsGsBs, component video, S-video; or up to 12 composite video |

Connectors

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|--------------|------------------|
| IN3204 | 4 x 4 female BNC |
| IN3254 | 4 x 5 female BNC |

| | |
|------------------------------|---|
| Nominal level | 1V p-p for Y of component video and S-video, and for composite video 0.7V p-p for RGB 0.3V p-p for R-Y and B-Y of component video, and for C of S-video |
| Minimum/maximum levels | Analog: 0.3V to 1.5V p-p |
| Impedance | 75 ohms |
| Return loss | <-38dB @ 5 MHz |
| DC offset | 100mV maximum with input at 0 offset |

Sync

| | |
|-------------------|----------------------------------|
| Input/output type | |
| IN3204 | RGBS, RGsB, RsGsBs |
| IN3254 | RGBHV, RGBS, RGsB, RsGsBs |
| Standards | NTSC 3.58, NTSC 4.43, PAL, SECAM |

Input level

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|---------------|------------------|
| IN3204 | 0.5V to 5.0V p-p |
| IN 3254 | 2.3V to 5.0V p-p |

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| Output level (analog/TTL) | 5.0V p-p, unterminated |
|---------------------------------|------------------------|

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|-----------------------|---------|
| Input impedance | 75 ohms |
|-----------------------|---------|

Output impedance

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|--------------|----------------------------|
| IN3204 | 46 ohms |
| IN3254 | H: 170 ohms V: 130 ohms |

| | |
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| Max input voltage | 5.0V p-p |
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Max. propagation delay

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| IN3204 | 84 ns |
| IN3254 | H: 59 ns V: 130 ns |

| | |
|---------------------|--------------------------------------|
| Max. rise/fall time | |
| IN3204 | 8 ns |
| IN3254 | 20 ns |
| Polarity | Positive or negative (follows input) |

General

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|----------------------------|--|
| Power | 100VAC to 240VAC, 50/60 Hz, 6 watts, internal, autoswitchable |
| Temperature/humidity | Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, non-condensing Operating +32° to +122°F (0° to +50°C) / 10% to 90%, non-condensing |
| Rack mount | Yes, with optional rack shelf |
| Enclosure type | Metal |
| Enclosure dimensions | |
| IN3204 | 3.4" H x 8.5" W x 5.1" D (2U high, half rack width) 8.6 cm H x 21.6 cm W x 13.0 cm D (Depth includes connectors.) |
| IN3254 | 4.4" H x 8.5" W x 5.1" D (2.5U high, half rack width) 11.2 cm H x 21.6 cm W x 13.0 cm D (Depth includes connectors.) |
| Product weight | |
| IN3204 | 3.5 lbs (1.6 kg) |
| IN3254 | 4 lbs (1.8 kg) |
| Shipping weight | |
| IN3204 | 5 lbs (3 kg) |
| IN3254 | 6 lbs (3 kg) |
| Vibration | ISTA/NSTA 1A in carton (International Safe Transit Association) |
| Listings | ETL (UL1950) |
| Compliances | CE |
| MTBF | 30,000 hours |
| Warranty | 3 years parts and labor |

NOTE Specifications are subject to change without notice.

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