

TOA DIGITAL POWER AMPLIFIER 4×150W

VP-3154

DESCRIPTION

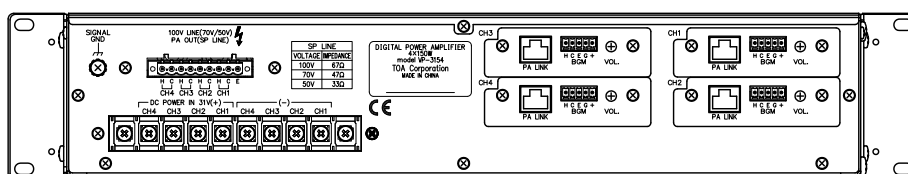
The VP-3154 is an Digital Power Amplifier used for the SX-2000, VX-2000 systems. It is a 2U rack-mount unit equipped with 4 channels of class-D digital power amplifiers, which contribute to energy-saving and lightweight design. The VP-3154 also features a front-mounted LED indicator for operating status indication and stand-by mode to be set for reducing stand-by power consumption. It requires a dedicated power supply unit VX-3000DS.

SPECIFICATIONS

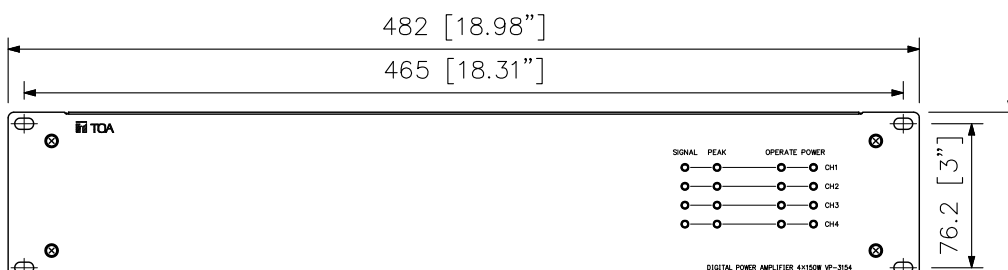
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| Power Source | 31 V DC (operating 20–34 V DC) DC power in: M4 screw terminal, distance between barriers: 11 mm (0.43") |
| Amplification System | Class D |
| Current Consumption | 0.3 A (standby mode), 2 A (no audio input), 6 A (1/8 rated output, EN60065), 23 A (rated output) at 31 V DC, channel total |
| Rated Output Power | 150 W × 4 (at 100 V line and min. resistive and max. capacitive load) 105 W × 4 (at 70 V line and min. resistive and max. capacitive load) 75 W × 4 (at 50 V line and min. resistive and max. capacitive load) (at AC Mains of VX-3000DS: 187 V – 253 V) |
| Output Voltage | 100 V (70 V, 50 V: selectable by internal change) |
| Minimum Resistive Load | 67 Ω (at 100 V line), 47 Ω (at 70 V line), 33 Ω (at 50 V line) |
| Maximum Capacitive Load | 0.5 μF |
| Number of Channels | 4 |
| Input | PA link: 4 channels, RJ45 connector BGM: 4 channels, removable terminal block (5 pins) BGM INPUT (H, C, E): –10 dB/0 dB (LINE, changeable), 22 kΩ, electronically balanced BGM MUTE (G, +): no-voltage make contact input, open voltage: 15 V DC, short-circuit current: 2 mA Volume adjustment: 4 channels |
| Output | PA out (Speaker line): removable terminal block (9 pins) × 1 |
| Frequency Response | 40 Hz – 16 kHz, ±3 dB (at 100 V line, 1/3 rated output) |
| Distortion | 1 % or less (at 100 V line, rated output, 1 kHz) |
| Signal to Noise Ratio | 80 dB or more (at 100 V line, A-weighted) |
| Crosstalk | 60 dB or more (at 100 V line, A-weighted) |
| Panel Indicator | Power indicator × 4 (Green), Operate indicator × 4 (Green), Input signal indicator × 4 (Green), Peak signal indicator × 4 (Red) |
| Operating Temperature | –5 °C to +45 °C (23 °F to 113 °F) |
| Operating Humidity | 90 %RH or less (no condensation) |
| Finish | Panel: Surface-treated steel plate, black, 30 % gloss, paint |
| Dimensions | 482 (W) × 88.4 (H) × 390 (D) mm (18.98" × 3.48" × 15.35") |
| Weight | 7.3 kg (16.09 lb) |
| Accessory | Rack mounting screw (with washer) ×4, Removable terminal plug (5 pins) ×4, Removable terminal plug (9 pins) ×1 |

APPEARANCE

Rear View

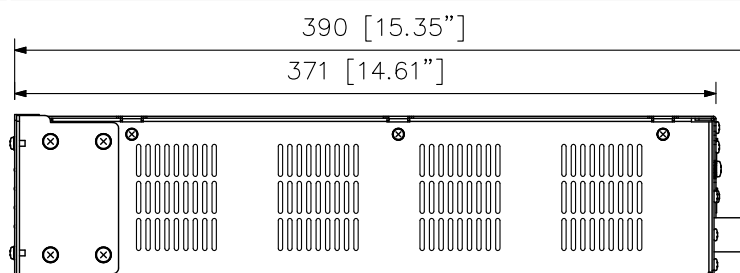


Front View



4-6×10
[0.24"×0.39"]

Side View



UNIT:mm SCALE:1/4