

2264E Compression amplifier



2264E FEATURES

- Gain Reduction meter: Shows the compression amount up to 20dB.
- Limit switch: Enables limit function.
- Compress switch: Enables compression and gain makeup functions.
- Limit recovery switch: Switches between 6 time constant options, 50ms, 100ms, 200ms, 800ms, Auto1 (100ms on peaks, 2secs on program material) and Auto2 (50ms on peaks, 5secs on program).
- Limit Level Stepped control: Sets the level at what limit begins, from +15dBm down to +4dBm in 0.5dB steps).
- Compress recovery switch: Switches between 6 time constant options, 100ms, 400ms, 800ms, 1500ms, Auto1 (100ms on peaks, 2secs on program material) and Auto2 (50ms on peaks, 5secs on program).
- Compress Threshold Stepped control: Sets the minimum level at what compression happens, from +10dBm down to -20dBm in 2dB steps).
- Compress Ratio Switch: Allows the user to choose between 5 different compression ratios, 1.5, 2, 3, 4 and 6:1.
- Gain Makeup Stepped control: In 2dB steps from 0 to 20dB.
- Bypass switch: Switches the module in/out of the signal path.
- IND switch: Allows the module to be linked to Buss A, Buss B, or independent.
- 2264E Module available. 19" Convertible format available Spring 2012. 2264E/500 under development.

2264E SPECIFICATIONS

- Line input impedance: 10KOhms bridging, transformer balanced and floating.
- Output impedance: Less than 75 Ohms, transformer balanced and floating, to drive a load of 600 Ohms.
- Maximum output: Greater than +26dBm into 600 Ohms, greater than +32dBu into 10KOhms.
- THD: Less than 0.025% at 1Khz, Less than 0.05% at 100Hz.
- Frequency response :20Hz (+0.3dB) to 20Khz (-0.2dB).
- Maximum Gain: 20dB.
- Noise: Less than -90dBm when gain makeup set to 0dB.
- Power consumption: 112 mA @24VDC.