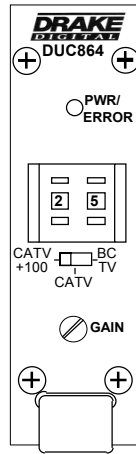
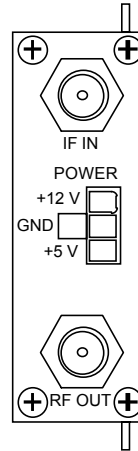


DUC864 Digital Upconverter



Front Panel



Rear Panel

Specifications

IF INPUT

Frequency: 44 MHz.
Input Level: +30 dBmV, ± 2 dB.
Input Impedance: 75 Ohms, return loss >20 dB.

OUTPUT

Frequency Range: 54 to 864 MHz;
CATV channels 02 through 135,
Broadcast TV channels 02 through 69.
Output level: +45 dBmV minimum, 15 dB adjustment range.
Broadband Noise: -73 dBc (6 MHz bandwidth) @ +45 dBmV output level.
In Channel C/N: -63 dB (6 MHz bandwidth) @ +45 dBmV output level.
Spurious Outputs (5 MHz to 900 MHz): -60 dBc @ +45 dBmV output level.
Output Impedance: 75 Ohms, return loss >10 dB typical.
Amplitude Flatness Over
6 MHz Channel: ± 0.4 dB maximum.
SSB Phase Noise: -95 dBc @ 10 kHz offset, -70 dBc @ 1 kHz offset.
Frequency Stability: ± 5 ppm.
MER: 30 dB minimum (unequalized),
38 dB minimum (with blind equalizer).

GENERAL +12 V $\pm 5\%$ at 300 mA.

DC Power Input: +5 V $\pm 5\%$ at 350.

Operation Temperature: 0°C to $+50^{\circ}\text{C}$, ambient.
Size: 1" W x 3.5" H x 9.25" D
Weight: 14.5 oz.

Specifications subject to change without notice or obligation.