Modular Sub Band Converter

MSBC

❍ Features & Benefits

- Up-converts Entire Sub-band to Channels 7-13
- 3 dB Conversion Gain
- Die Cast Chassis Provides Unsurpassed RFI Shielding

The MSBC is a modular sub band block up-converter designed for use in Blonder Tongue's HE Series rack chassis'. The unit provides sub-band capability to MIDM-806C demodulators by block converting sub-band channels T7 to T13 to receivable VHF channels 7-13. The MIDM-806C A/V outputs can then be connected to a modulator such as a MICM-45C, AMCM 860 or AMM 806 for a complete modular headend processing solution.

❍ Specifications

RF

Input Frequency Range:
5.75-47.75 MHz (Channels T7-T13)

Output Frequency Range:
174-216 MHz (Channels 7-13)

Recommended Input Level Range:
0 to +20 dBmV

Conversion Gain: 3 dB

Flatness: 1.5 dB P/V

168 MHz LO Frequency Accuracy @ 25° C:
+/- 500 Hz

Intermod Distortion: -60 dBc
(In band Ch. 7-13 @ 0 to + 20 dBmV input)

Input/Output Impedance: 75 Ω

Return Loss
Input: 15 dB
Output: 17 dB

General

Power Requirement:
12 VDC @ 100 mA, 1.2 Watts

Temperature Range: 0 to 50° C

Mechanical

Dimensions: (W x H x D)
1.15 x 3.5 x 7.5 in.
29 x 89 x 191 mm

Weight: .84 lbs., 0.38 kg

Connectors

Sub-Band Input: "F" Female

RF Output: "F" Female

Power: Locking Header 3 Pin

Indicators

Power: LED, Green

Refer to product instruction manual for additional specification measurements and notes.

❍ Ordering Information

Model	Stock No.	Description
MSBC	7727	HE12 & HE4 Series Sub-Band Block Up-Converter