

# DVB-T COMPACT MODULATOR

MDLT-DVBT-CMPCT



The DVB-T Compact modulator is a device for digital terrestrial transmission of an ASI signal. It is designed for those who need a size and price effective solution with no compromise on performances.

## TECHNICAL SPECIFICATIONS\*

\*specifications may be changed in accordance with the technical department

### MODULATOR

Input signal	ASI continuous modes, compliant with EN50083-9 (1 Vpp, BNC, 75 $\Omega$ )
Output frequency	36 MHz (20 ÷ 200 MHz on request)
Output level	typ. -10 dBm (0 dBm on request)
MER	> 48 dB @ 36 MHz
Modulation	DVB-T/H COFDM compliant with ETSI EN 300 744 v1.5.1
Channel bandwidth	7 MHz, 8 MHz
Carriers	2k mode, 4k mode, 8k mode
Constellation	QPSK, 16QAM, 64QAM
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Guard interval	1/4, 1/8, 1/16, 1/32

### GENERALE

Remote control	RS232 (others on request)
Power supply	110 ÷ 240 Vac
Power consumption	20 W typ.
Operating temperature	-10 ÷ +45 °C
Storage temperature	-20 ÷ +80 °C
Storage relative humidity	10% ÷ 80%
Dimensions	Rack 19" 1U (172 × 45 × 215 mm)
Protection degree	IP50