



OPTEL

OPTOELETTRONICA
TELECOMUNICAZIONI

T-2353VHT

Satellite Optical Fiber Transmitter Module V-H Wide Band, Terrestrial FM,DAB,DVB-T Inputs

PRODUCT DESCRIPTION

T-2353VHT is an Optical Fiber Transmitter Module originally designed and developed by OPTEL suitable to Transmit the full bandwidth TV-Satellite and TV-Terrestrial RF signals over one singlemode fiber

@ - T-2352VH is an optional version available without Terrestrial

PRODUCT FEATURES

- @ - Multi Quantum Well (MQW) DFB Laser Diodes
- @ - Optical emission multi-wavelength with integrated WDM over one singlemode fiber
- @ - Single stage 30 dB optical isolation on each LD
- @ - Long life time of the Lasers >100.000 hours
- @ - V-H Wide Band LNB + Terrestrial Inputs
- @ - Low Noise
- @ - Low distortion
- @ - Diecast Zamak case

MAIN TECHNICAL CHARACTERISTICS

ELECTRICAL (Linked with R-2353VHT Module by means of single monomode fiber splitting PON)

Satellite Horizontal & Vertical Polarity Input Level	dBuV	75 ...85
Satellite Horizontal & Vertical Frequency Range	MHz	290.....2340
Terrestrial Input Level	dBuV	75....85
Terrestrial Frequency Range	MHz	47.....790
Satellite & Terrestrial Input Impedance	Ohm	75
Satellite & Terrestrial Input Return Loss	dB	10

OPTICAL

Optical Fiber	G652D 9/125 um singlemode	
Optical Connector	SC-APC	
Optical Output Power	dBm	>10
Maximum number of User splitting optical points	32	

MECHANICAL

Case	Diecast Zamak	
Dimension	mm	110 x 84 x 27

POWER SUPPLY, MONITORING & ALARMS

Power Supply & Monitoring	+12V / 500 mA / Green Lamp ON	
Low Output Optical Power (LA)	Red Lamp ON / Green Lamp OFF	
Nominal Output Optical Power (OP)	Green Lamp ON / Red Lamp OFF	
Temperature operating range	0 to +40 o C	

