



## ***Double Satellite Optical Fiber Transmitter Module 2H + 2V Wide Band, Terrestrial, FM,DAB,DVB-T Inputs***

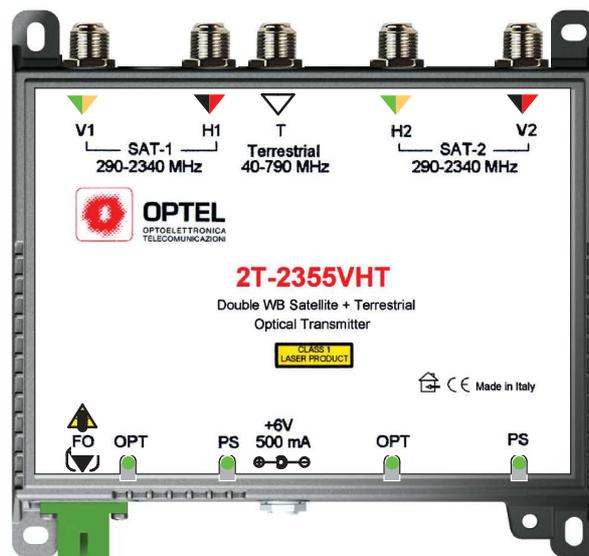
### **PRODUCT DESCRIPTION**

2T-2355VHT is an Optical Fiber Transmitter Module originally designed and developed by OPTEL suitable to Transmit the full bandwidth of 2-TV-Satellite and TV-Terrestrial RF signals over one singlemode fiber.

@ - 2T-2354VH is an optional version available without Terrestrial

### **PRODUCT FEATURES**

- @ - Multi Quantum Well (MQW) DFB Laser Diodes
- @ - Multi-optical emission 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
- @ - 2V-2H Wide Band LNB +Terrestrial Inputs
- @ - Low Noise
- @ - Low distortion
- @ - Diecast Zamak case



### **MAIN TECHNICAL CHARACTERISTICS**

#### **ELECTRICAL** (Linked with 2R-2355VHT Module by means of single monomode fiber splitting PON)

Satellite 2 Horizontal & 2 Vertical Polarity Input Level	dBuV	75 ....85
Satellite 2 Horizontal & 2 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** (Linked with 2R-2355VHT Module by means of single monomode fiber splitting PON)

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	147 x 110 x 27

#### **POWER SUPPLY, MONITORING & ALARMS**

Power Supply	+12V / 1000 mA / Green Lamp ON	
Low Output Optical Power (Laser Alarm)	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	