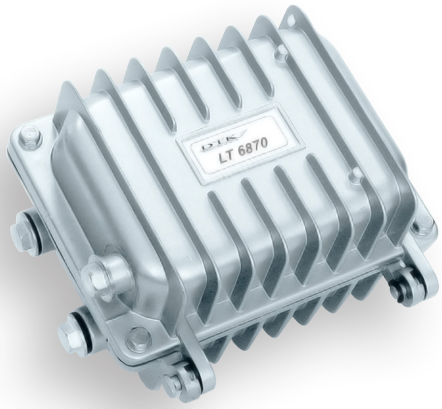
Cable TV Transmitter LT-6870



862MHz IP65 4W ALC

Description:

Down Stream optical transmitter. Designed for conversion of the RF signal in the frequency range 45 ÷ 862MHz into optical signal emitted at a wavelength, by means of DFB laser diode. Equipped with system for monitoring and displaying device status by LEDs.

Designed specifically for outdoor applications and environments with high humidity. Suitable for data, digital and analog TV signal transmissions along optical paths with length up to 25km.

Features:

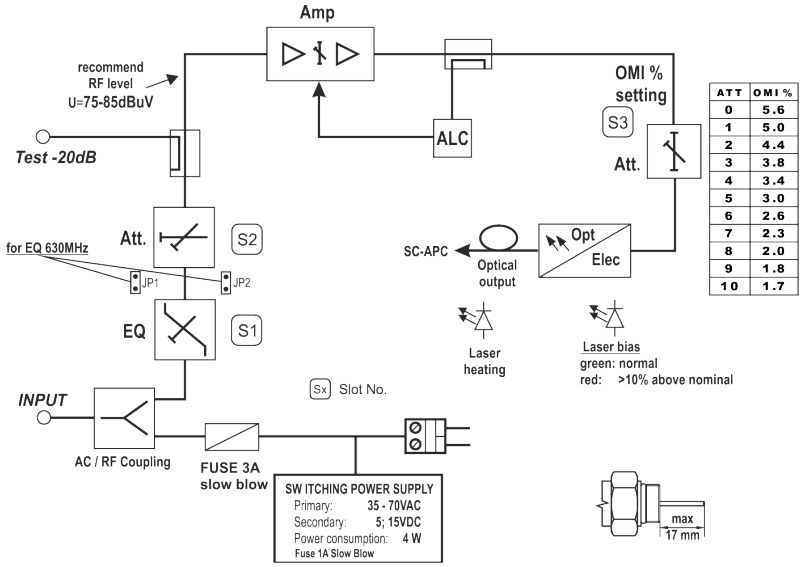
- Built-in equalizer and attenuator
- Automatic Level Control (ALC
- Easy optical modulation index (OMI) setting
- 1.0GHz available upon request
- Compact and Hermetic housing (IP65)
- Under Voltage Protection (UVP)

Optical Specifications	
DOWN Stream	
Wavelengths: DFB-1310 DFB-1550 CWDM[1], 20nm step	 1310 ± 20nm 1550 ± 20nm 1270 ÷ 1610nm
Output Power (dBm/mW)	3/2; 6/4; 9/8[2]
Optical Connector	SC.APC

RF Specifications	
DOWN Stream	
Bandwidth	47 ÷ 862MHz
Bandwidth (Optional)	47 ÷ 1.0GHz
RF Input Level	75 ÷ 85dB
FLatness	± 0.75dB
Return Loss	> 18dB @ Z=75Ω
Input RF Level Test	-20dB, F-Connector

General Specifications	
Power Supply (Mains)	175 ÷ 265 VAC
Power Supply (Mains)	35 ÷ 75 VAC
UVP	30VAC
Power-Up delay (manual)	2.5/ 3.5/ 5/ 6s
Power Consumption	≤ 4W
Temperature Range	-20 ÷ 50 °C
Protection Level	IP65
Dimensions	165 x 145 x 100 mm
Weight	1.3 kg

1) CWDM wavelengths according to ITU-T/6.694.2
2) Option 9dBm (8mW) is applicable for 1310nm variant only



Configuration Table					
Main	**Supply Voltage**	**Frequency Range**	**Wavelength**	**CWDM**	**Output Optical Power**
LT-6870	Coaxial (C): 35 ÷ 70VAC	**8M:** 47 ÷ 862MHz	31: 1310 ± 20nm	**N:** No CWDM	3: 3dBm (2mW)
			49: 1490 ± 20nm		6: 6dBm (4mW)
	Mains (M): 35 ÷ 70VAC	**1G:** 47 ÷ 1.0GHz	51: 1510 ± 20nm	**Y:** CWDM	9: 9dBm (8mW)
			53: 1530 ± 20nm		

Example Order Code: LT-6870-M-1G-49-Y-3

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