24926 Highway 108
Sierra Village, CA 95346
Phone: (800) 545-1022
Fax: (209) 586-1026
E-Mail: sales@olsontech.com

OTOT-870

WIDE BAND LOW COST OPTICAL TRANSMITTER

Features / Benefits

- 48MHz to 870MHz performance
- Low Power Consumption; Integrated Universal Power Supply
- Input Level for Optimum Performance, +15dBmV/carrier

The **OLSON TECHNOLOGY** Model **OTOT-870** is a very cost effective wideband optical transmitter that is specified to 870MHz. Intended for indoor applications this unit houses the transmitter and universal AC power supply in one compact housing that measures 6.4" x 3.0" x 2.75". The optical output power is 3.0mW minimum and when utilized with the **OLSON TECHNOLOGY OTPN-1000** provides very useful wideband performance with a loss budget of up to 10dB.

SPECIFICATIONS

Input Frequency Range	48MHz to 870MHz
Input Level for Optimum Performance	+15dBmV/carrier minimum
Input Return Loss	>15dB
Optical Output Power	3.0mW minimum @ 1310nM
Distortion Performance	Measured at input level of +15dBmV/carrier to 547.25MHz (77 channels) and simulated digital loading @ 6dB reduced level from 550MHz to 870MHz CSO.....>60dB down CTB.....>62dB down
Input Adjustment Range	4dB minimum to +19dBmV/carrier
RF Test Point	Set to 0dBmV/carrier for optimum performance
Carrier to Noise	Measured with high sensitivity receiver, **OLSON TECHNOLOGY** Model **OTOT-870**. At 0dBm optical input >52dB
Power Requirements	<10watts - 90VAC to 240VAC @50-60Hz
Test Points	RF Test Point: Type F Optical Power Test: Test Jack -1V/mW
RF Connector	RF input: Type F
Power Connector	IEC 320
Optical Connector	SC/APC -standard; FC/APC - optional
Cooling	Fan cooled - forced air. Fan is removable without interrupting operation
Size	3" x 6.4" x 2.75" exclusive of connections and mounting plate.