

Optical Fiber Transmission Equipment



ZORA
Satellite & CATV equipment
www.zora.com.mk



1310nm Optical Transmitter

FEATURES

- » 1310nm Ortel Laser
- » Patented pre-distortion correction circuit.
- » Philips amplifying module.
- » Automatic Gain Control●AGC
- » ATC, APC, and over heat protection functioned.
- » 862 MHz RF frequency
- » Output power 4-20mW●
- » High quality switch power supply.
- » 19', 1RU.

SPECIFICATIONS TABLE

Optical	UNIT	SPECIFICATIONS				
Wavelength	nm	1310±20				
Laser Type	-	Ortel DFB Laser				
Connector Type	-	SC/APC or FC/APC				
Output Power	mW	4 / 6 / 8 / 10 / 12 / 14 / 16 / 18 / 20				
Return Loss	dB	45				
Optical Link Flatness	dB	±1.0				
Optical Link Performance						
C/N	dB	SEE C/N TABLE				
C/CSO	dB	61				
C/CTB	dB	65				
* GJS862-10(A) optical receiver, 59 PAL signal, 4.5% modulation per channel, -3dBm optical receiving.						
Optical Link C/N TABLE						
Optical Receiving Power	dBm	0	-1	-2	-3	-4
C/N	dB	53	52	51	50	49
RF						
Modulation Type	-	AM				
Bandwidth	MHz	47 ~ 862				
RF Input Level	dB	78 ~ 82				
Return Loss	dB	16, 45 ~550MHz 14, 550MHz ~ 862MHz				
Flatness	dB	± 0.5				
RF Test Point	dB	-20 ± 1.5 (relative to RF input of laser)				
AGC Range	dB	-3 ~ +3, (±0.5)				
Impedance	•	75				
Connector Type	-	F Connector				
Power Supply						
Power Supply	V	AC 90 ~ 260V / 50Hz				
Power Consumption	W	30				
Environmental						
Working Temperature		0 ~ +40				
Humidity	-	5~90%, non-condensing				
Mechanical						
Dimensions	mm	483 x 368 x 44 (19', 1RU)				
Weight	kg	3.5				