

1550nm External Modulator

FH-OT-8601B



Main Features

- Enabling of long-distance transmission in combination with optical amplifier
- +8.5dBm Optical Output power (with 2 ports)
- SBS suppression control is available with +13.0dBm to +19.0dBm
- Variation of output wavelength (ITU-grid CH23 to CH33)
- L-band type (ITU-grid CH09) is also released
- Output wavelength adjustment in the range of +/- 100GHz
- High reliability by Power supply redundancy
- Operation of setting and monitoring by Web Browser.
- Manageable through Simple Network Management Protocol (SNMP)

Specifications

	ITEM	SPECIFICATIONS
IN	Frequency Range	70 to 770MHz
	RF Signal Input	80dBμV (Typ.)
	Impedance/Connector	F type connector, 75ohm
	Channel	NTSC 74-channel and Digital
	RF monitor	-20dB +/-1dB (against Input level), F type connector
	AGC	-3dB to +6dB (against typical Input level)
OUT	LD Type	DFB-LD
	Wavelength	1550nm to 1560nm (ITU-grid: CH23[1558.98nm] to CH33[1550.92nm]) L-Band (ITU-grid: CH09[1570.42nm])
	Wavelength Adjustment Range	+/- 100GHz (50GHz step)
	Optical Fiber	Single Mode Fiber (SMF)
	Optical Connector	SC/APC (Angled PC) or E2000 (0.1dB)
	Demanded Optical Return Loss	40dB (Min.)
	Optical Output	+8.5dBm (2 ports)
	Modulation Type	External Modulation
PERFORMANCE	SBS Suppression	+13.0dBm to +19.0dBm (0.5dB step)
	RF Input Return Loss	15dB (Min.)
	Flatness	1.5dBp-p (Max.)
	Relative Intensity Noise (RIN)	-158dB/Hz (Max.) (-160dB/Hz (Typ.))
	CNR (*1)	53.5dB (Min.) (Tx/Rx) 53.0dB (Min.) (Link 1) 52.0dB (Min.) (Link 2) 50.0dB (Min.) (Link 3)
	CSO (*1)	65dB (Min.) (Exept second port of Link 3)
	CTB (*1)	65dB (Min.)
OTHERS	Maintenance Port	10Base-T/100Base-TX Ethernet connector for Web and SNMP
	Power Supply	100 to 240VAC -36 to -72VDC or +23.5 to +24.5VDC
	Power Consumption	AC: 80VA (Max.) DC: 60W (Max.)
	Operations Condition	continuous
	Environmental Temperature / Humidity	0 °C to 40 °C, 35% to 95% (without compensation)
	Chassis Structure	JIS 19-inch rack mountable subrack. (Please use supporting angles)
	Dimensions / Mass	483mm (W) * 49mm (H) * 464mm (D) / 12kg (Max.)
<p>*1: Under the test condition which Tx's signal is received by the master Rx (Optical Modulation Index: 3%/ch, Equivalent input noise current density: 7pA/Hz(1/2), Optical Fiber Amplifier NF: 5dB) Tx/Rx: Tx --- Rx (0dBm Input) Link 1: Tx --- 35km Fiber --- Rx (0dBm Input) Link 2: Tx --- EDFA +16dBm --- 65km Fiber --- Rx (0dBm Input) Link 3: Tx --- EDFA +13dBm --- 52km Fiber --- EDFA +13dBm --- 52km Fiber --- Rx (0dBm Input)</p>		



Caution

For safe use of this product, please never fail to read through the product manual before starting to use it.

* Specifications and appearance of the product may be changed in the future without any prior notification.