

HTC-8517 (1550nm) : Optical Transmitter 1550nm, Single Fiber Output 7dBm.



FEATURES

- ★ High performance: no laser chip, low dispersion distortion, high extinction ratio, with excellent characteristic within 40~862 MHz. in band.
- ★ Narrow linearity width (Typ=1MHz), low noise, DFB continuous wave laser.
- ★ The operating bandwidth is up to 47~1080MHz
- ★ High index : unique innovation technology , offers excellent CNR, CTB and CSO.
- ★ SSB : 13dBm, point to point > 50Km optical transmission.
- ★ ITU standard wavelength, $\pm 200\text{GHz}$ ($\pm 1.6\text{nm}$) adjustable
- ★ AGC/MGC mode is optional at spot. OMI can be optimized at spot
- ★ Optional RS232 communication interface and SNMP.
- ★ Optional 1+1 power supply backup
- ★ Casing temperature auto-control
- ★ Excellent P/P ratio

TECHNIQUE INDEX

Performance			Index	Supplement
Optic feature	Wavelength	(nm)	1548 ~ 1563 1530 ~ 1563	HT1500BC : CATV wavelength HT1500BU : ITU wavelength
	Linewidth	(MHz.)	≤ 1	FWHM ($\lambda \Delta$)
	Side mode suppression ratio	(dB)	≥ 45	SMSR
	Extinction ratio	(dB)	≥ 20	Xp
	Equivalent noise intensity	(dB/Hz)	≤ -160	RIN (20~1000MHz.)
	Output power	(dBm)	7	Optional 3, 10
	Return loss	(dB)	≥ 55	
RF feature	Optical Fiber connector		FC/APC	Optional SC/APC
	Work bandwidth	(MHz.)	45 - 862	
	Input level	(dBmV)	20 \pm 2	MGC
	Flatness	(dB)	≤ -0.75	45 ~ 862 MHz.
	Return loss	(dB)	> 16	
	Input impedance	(Ω)	75	RF / INPUT
Link feature	RF test	(dB)	0 \pm 1	
	Transmit channel		PAL-D/60CH	NTSC / 80CH
	CNR	(dB)	≥ 50	-1 dBm receiver
	CTB	(dB)	≤ -63	
	CSO	(dB)	≤ -57	
General feature	SBS restrain	(dBm)	≥ 17	
	Network management interface		RJ45, RS232	Support I.E. & SNMP
	Power supply	(V)	220city power	-48VDC Optional
	Power Consume	(W)	≤ 50	Single power works
	Work temp.	($^{\circ}\text{C}$)	-5 ~ 65	
	Storage temp.	($^{\circ}\text{C}$)	-40 ~ 85	
	Operating relative humidity	(%)	5 ~ 95	
Size	(")	19 x 10 x 1.75	(W) x (D) x (H)	