



OPTICAL FIBRE TRANSMITTER 1555nm

KOT001A

The KOT001A directly modulated optical transmitter has an input range of 47~2600MHz and is specifically designed for the receiving of Digital TV (DVB-C, DVB-T) and Satellite TV (DVB-S) signals and then transmitting over optical fibre.

This transmitter is Foxtel approved & is ideal for use in a FTTx PON system.

FEATURES

Frequency Range 47-2600MHz

Optical Output Power 4mW/6dBm

RF Input Power Range 77~87dB

Suitable for Digital TV and Satellite TV Application

Dual Power Supply, 1 + 1 backup

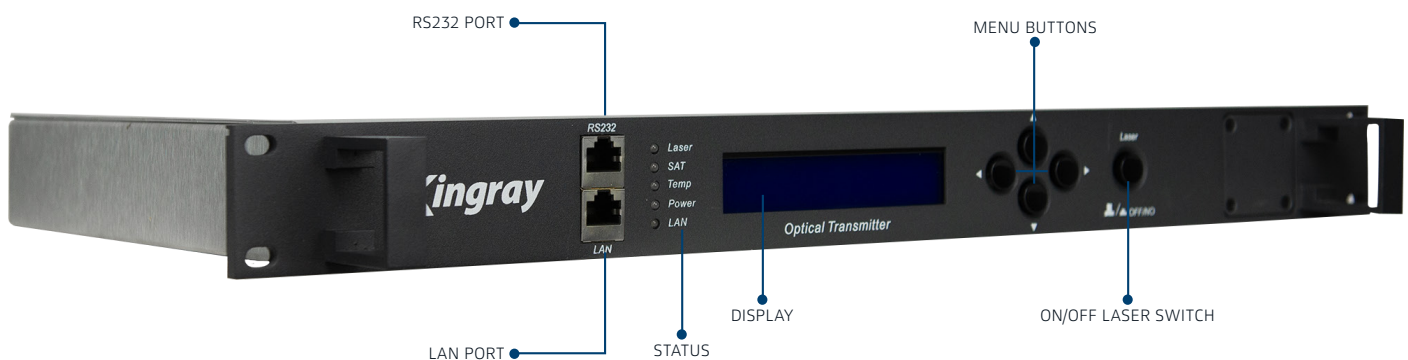
Cooled HGHL DFB Laser Provided

1555nm TX can be amplified by EDFA to cover large-scale FTTH

Size: 1RU 19" Rack Mountable

Optical Connector: SC/APC

RF Connector: F-Female



PRODUCT SPECIFICATIONS

PERFORMANCE			INDEX			SUPPLEMENT
			Min.	Typ.	Max.	
OPTICAL FEATURES	Laser Type	A Type	Cooling DFB			
	CATV Operation Wavelength	(nm)	1550	1555	1560	
	Equivalent Noise Temperature	(dB/Hz)			-155	
	Side Mode Suppression Ratio	(dB)	35			
	Optical Isolation	(dB)	30			
	Optical Output Power	(dBm)		6		
	Return Loss	(dB)	50			
	Optical Connector		SC/APC			
RF FEATURES	Operating Bandwidth	(MHz)	47		2600	
	Input Range	(dB μ V)	77		87	
	Flatness	(dB)	-2.0		+2.0	47~860MHz
			-0.5		+0.5	40MHz
			-2.0		+2.0	950~2600MHz
	Return Loss	(dB)	10			47~2400MHz
	Channel Loading	(CH)		64QAM		Digital TV
				36		QPSK or FM
	Input Impedance	(Ω)		75		
RF Connector		F-Female			75 Ω	
GENERAL SPECIFICATIONS	Network Management Interface		RJ45			SNMP
	Power Supply	(V)	100		240	220VAC (Dual Supply)
	Input Current	(A)			0.2	
	Power Consumption	(W)	5		20	
	Operating Temp	($^{\circ}$ C)	-5		+50	
	Storage Temp	($^{\circ}$ C)	-40		+85	
	Relative Humidity	(%)	+5		+95	
	Size	(")	19 x 14.5 x 1.75			

Specifications are subject to change without notice, they are issued as a guide only and shall not form part of any contract without the express written authorisation of GME.

