



## INTRO

Fiber to the home broadband access is the ultimate development goal, FTTH filtering optical receiver LF-911R is the target terminal products for this goal. It selects low optical power receiving and RF technique which can achieve the requirement of FTTH that CATV & xPON optical network receiving 1550nm wavelength in CATV signal., LF-911R is provided with the optical power receiving monitoring indicator LED on the panel ( $\geq -15\text{dBm}$ ). "FWR-1000GSD" means the function of filtering.

## TECHNICAL PARAMETERS

	ITEM	Unit	LF-911R
Optical Characteristics	input wavelength	nm	1540~1560
	responsivity	(A/W)	$\geq 0.85/\geq 0.9$
	receive power range	dB	2~-15
	reflection loss	dB	$\geq 50$
	fiber linker	/	SC/APC
RF Characteristics	bandwidth/flatness	MHz/dB	45~1000
	output level	dBuv	AGC: -2~-12dBm/82
	reflection loss	dB	$\geq 14$ (characteristic impedance 75 $\Omega$ )
	RF output impedance	$\Omega$	75(RF Output Interface Metric F)
	MER (Closed Equalization)	dB	$\geq 25$ (64QAM) $\geq 31$ (256QAM)
	MER (Open Equalization)	dB	$\geq 32$ (64QAM) $\geq 34$ (256QAM)
	Bit Error Rate(BER)	/	$\leq 1 \times 10^{-4}$
	CNR/CTB/CSO	dB	$\geq 43/\geq 54/\geq 54$ (-9dBm/Nominal Level)
Others	Power Supply/Consumption	V/W	External AC 90~250V $\rightarrow$ DC 5/ $\leq 2$
	Working/Storage Temp	$^{\circ}\text{C}$	-25~55 / -40~75
	Working/Storage Humidity	%	5~90(No Condensation)
	Size	mm	90*60*22