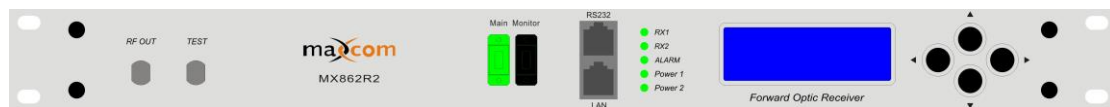




MX862R2

AGC Forward Path Optical Receiver



## Technical Specification

### 1.0 PRODUCT DESCRIPTION

The MX862R-2 CATV Fiber Optic receivers are designed for high reliability with optical AGC, high level RF output, ease of use, easy to read LED indicators, and is suitable for high-level applications.

### 2.0 FEATURES AND BENEFITS

- Optical AGC
- Wide adjustable Output level and slope range
- Operating parameters controlled by microprocessor and indicated on display screen
- Dual power supply provides for full-automatic backup switching
- Chassis temperature is auto-controlled
- Advanced Network Management functions
- Intuitional RF output level display

### 3.0 TECHNICAL INDEX

Performance			MX862R2
Optical feature	Wavelength ( $\lambda$ )	(nm)	Typical 1310/1550
	Input power	(dBm)	-12~+2
	Operating mode		Optical AGC (when using the MGC function, AGC will not be operational)
	Return wave loss	(dB)	$\geq 55$
	Optical connector		SC/APC
RF feature	Bandwidth	(MHz)	45~862
	Output level	(dBmV)	53
	Flatness	(dB)	$\leq \pm 0.5$
	Output level adjustable	(dB)	0~20MGC (ADJ)
	Output level adjustable	(dB)	0~20(ATT)
	Output slope adjustable	(dB)	0~15(SLOPE)
	Return loss	(dB)	$\geq 16(750\text{MHz})$
	Output impedance	( $\Omega$ )	75
Link feature	Test channel		PAL-D/60CH
	CNR	(dB)	$\geq 52(10\text{Km fiber, -1dBm receive})$
	CTB	(dB)	$\leq -70$
	CSO	(dB)	$\leq -63$
General feature	Network management interface option		RJ45, R232(supports IE & SNMP)
	Power supply	(V)	110VAC (-48VDC option)
	Power consumption	(W)	$\leq 50(\text{single power work})$
	Work temp.	(*F)	-23~149(Unit temp. controlled automatically)
	Storage temp.	(*F)	-40~185
	Relative humidity	(%)	5~95
	Size (W)x(D)x(H)	(inch)	14.5x17.25x1.75



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