

OPTICAL RECEIVER WR1075MB-WF



WR1075MB-WFseries optical receiver is the new product which specially designed to deal with the network structure for FTTH(fiber-to-the-home). The product has small size, compact and reasonable structure, low consumption, high output, excellent performance and multiple models available, which can meet different users' demands.

Parameter:

Item	Unit	Technical Parameters	
Optics part			
Return loss	dB	>45	
Optical interface		COM : SC/APC	
WDM wavelength	nm	CATV : 1550±10 PON : 1310, 1490	
WDM insertion loss	dB	<0.7	
Isolation	dB	> 30	1310&1490~1550nm
Responsivity	dB	>0.85	1550nm
Optical type		Single mode	
RF part			
Optical receiving power	dBm	-18 ~ 0	
AGC range	dBm	-15 ~ -5	
Frequency range	MHz	45~1003	
Flatness	dB	±0.75	Pin : -9dBm manual ATT 0dB
Output return loss	dB	≥ 14	Pin : -9dBm manual ATT 0dB
Output adjustable ATT range	dB	0~18	Knob type
Output level	dBμV	≥ 80	Single channel modulation 3.5%, within AGC range.
C/N	dB	≥ 44	3.5% -9dBm receive, 84CH PAL-D, Single channel modulation
C/CTB	dB	≥ 60	
C/CSO	dB	≥ 60	
MER	dB	>32	CSO、CTB In-plant production inspection indicators ≥58 -15dBm, 96CH, 64QAM, Single channel modulation 3.5%
Others			
Optical power indicators		Green: +2~ -15dBm	
		Red: <-15dBm	
		Yellow: >+2dBm	
Output impedance	Ω	75	
Power supply		+5VDC or +12VDC	External power supply adapter (+5VDC or +12VDC, Subject to panel silk screen)
Consumption	W	<2	The whole machine contains an external power adapter
ESD	KV	2	
Operating temperature	°C	-20~+55	
Storage temperature	°C	-20~+60	
Dimension	mm	109 (L) * 80 (W) * 26 (H)	