



CATV Optical Tx/Rx/EDFA Series

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1.1 FCOR-2080MS Micro AGC FTTH CATV Optical Receiver



Item	Parameters
Model	FCOR-2080MS
Input Optical Wavelength	1100-1650 nm
Input Optical Power	-10~ +3dBm AGC
Optical Return Loss	≥40dB
Optical Connector	SC/APC
Operation Bandwidth	45MHz ~ 862MHz
Output Level	76dBuV
Slope	0dB
Flatness	±1dB
RF Connector	F Female
Output power indicator	Diode LED indicator: Red: PIN>-3 Green: -10<PIN<-3< FONT> OFF:PIN<-10
RF Return Loss	>14 dB
CNR	>46dB @ -1dBm receiving
CSO	≥60dB
CTB	≥60dB
RF Output Stability in AGC range	±1.0
Power Supply	12 VDC
Power Consumption	2.0W
Dimension (L*W*H)	74*64*28mm
Weight	0.1KG
Operation Temp.	-20 ~ +50°C
Storage Temp.	-40 ~ +85°C

1.2 FCOR-2084 Series FTTH CATV Optical Receiver



Item	Parameters
Model	<p>FCOR-2084N: RFTV operating wavelength is 1100 ~ 1620nm.</p> <p>FCOR-2084WF: Built-in optical signal filter, the RFTV operating wavelength is 1550nm.</p> <p>FCOR-2084WD: Built-in CWDM, RFTV operating wavelength is 1550nm. Pass 1310/1490nm wavelength</p>
Input Optical Wavelength	1100 ~ 1600(N) or 1540 ~ 1560(WF)
Pass Wavelength	1310/1490(WD)
Input Optical Power	-17 ~ +3dBm (AGC range -7~+2)
Optical Return Loss	≥45dB
Optical Connector	SC/APC
RF Bandwidth	47MHz ~ 1000MHz
RF Output Level	≥82dBuV@-7~+2dBm input
Flatness	±0.75dB
RF Connector	F Female
Output Impedance	75Ω
RF Return Loss	>14 dB
CNR	≥48@-8dBm
CSO	≥65@-8dBm
CTB	≥65@-8dBm
Power Supply	12 VDC
Power Consumption	<3W



Dimension (L*W*H)	112*50*22mm
Weight	0.2KG
Operation Temp.	-20 ~ +50°C
Storage Temp.	-40 ~ +85°C

1.3 FCOR-2088M Mini AGC FTTH CATV Optical Receiver



Item	Parameters
Model	FCOR-2088M
Input Optical Wavelength	1100~1600 nm
Input Optical Power	-7 ~ +2dBm
Optical Return Loss	≥45dB
Optical Connector	SC/APC
Operation Bandwidth	45MHz ~ 862/1003MHz
Output Level	88dBuV
Flatness	±0.75dB
RF Connector	F Female
Output Impedance	75Ω
Output port number	2
RF Return Loss	>16 dB
CNR	>51dB @ -1dBm receiving
CSO	≥62dB
CTB	≥65dB
Power Supply	12 VDC
Power Consumption	<3W
Dimension (L*W*H)	105*67*24mm
Weight	0.15KG
Operation Temp.	-20 ~ +50°C
Storage Temp.	-40 ~ +85°C
Weight	0.2Kg

1.4 FCOR-9408GL Out-door 4 ports AGC Optical Receiver



Item	Parameters
Model	FCOR-9408GL
Input Optical Wavelength	1100~1600nm
Input Optical Power	-9~+2dBm
Optical Return Loss	>50dB
Optical Connector	SC/APC . FC/APC (specified by user)
Optical fiber type	Single Mode
RF Frequency	45~862MHz
RF flatness in band	± 0.75 dB
Middle-stage gain adjust	0~18dB
Middle-stage slope adjust	0~15dB
Max output level	≥ 110 dBuV
Output Impedance	75 Ω
RF Return Loss	≥ 16 dB
CNR	>52 dB @ -3dBm receiving
CSO	≥ 60 dB
CTB	≥ 65 dB
Power Supply	AC 150~265V or AC 35~90V
Power Consumption	≤ 30 W
Dimension (L*W*H)	240 *240 *1500 mm
Operation Temp.	-40 ~ +60°C
Storage Temp.	-50 ~ +65°C

1.5 FCOR-3105GF FTTB AGC Optical Receiver



Item	Parameters
Model	FCOR-3105GF
Input Optical Wavelength	1100~1600nm
Input Optical Power	-7~+2dBm (recommended: -3~+1dBm)
Optical Return Loss	≥45dB
Optical Connector	SC/APC
Optical fiber type	Single Mode
RF Frequency	45/87~862/1002 MHz
RF flatness in band	±0.75dB
In-stage attenuation	0~20 dB adjustable
In-stage Equalization	0~10dB adjustable
Max output level	≥112dBuV (AGC: -7~+2dBm)
Output Impedance	75Ω
RF Return Loss	≥16 dB
Test port	-20dB
CNR	>51 dB @ -1dBm receiving
CSO	≥60dB
CTB	≥65dB
Power Supply	AC 130~265V or AC 35~65V
Power Consumption	10W
Dimension (L*W*H)	230 *190 *90 mm
Operation Temp.	-40 ~ +60°C
Storage Temp.	-50 ~ +85°C

1.6 M26-A FTTH Mini CATV O-E Converter



- Operation bandwidth is 45~1000MHz.
- Receiving optical power= -1dBm, Analog signals: Output level is 68dBμV (OMI=4%); Digital signals: Output level is 62dBμV, MER>38dB (EQ off)
- Receiving optical power= -10dBm, Digital signals: Output level is 44dBμV, MER>30dB (EQ off).
- It is recommended the input optical power dynamic range is 0~-10dBm.
- No power supply, no power consumption.
- RF signal is connected with STB through F type connector and the converter is installed there
- Suitable for the occasion that digital STB can NOT be modified during FTTH deployment

1.7 IMOT-1550P 1550nm Pluggable Internal Modulation Optical Transmitter



IMOT-1550P	02	04	06	08	10	12
Optic Power(mW)	2	4	6	8	10	12
Optic Power(dBm)	3.0	6.0	7.8	9.0	10.0	10.8
Optic Wavelength (nm)	1550±10					
Fiber Connector	SC/APC, SC/UPC, FC/APC optional					
Working Bandwidth(MHz)	47~862					
Channels	84					



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CNR (dB)	≥52
CTB (dBc)	≤-65
CSO (dBc)	≤-65
RF Input Level(dBμV)	78~88
Flatness	≤0.75
Power Loss(W)	≤30
Power Voltage(V)	90~265 pluggable dual power supply
Working Temp(°C)	-20~45
Storage temp.(°C)	-40~85
Size	19"×15"×1.75"

Product series

Model	1550nm internal modulation optical transmitter (Pluggable)	
	Output power in mW	Output power in dBm
IMOT-1550P-02	≥2	≥3
IMOT-1550P-04	≥4	≥6
IMOT-1550P-06	≥6	≥7.8
IMOT-1550P-08	≥8	≥9
IMOT-1550P-10	≥10	≥10
IMOT-1550P-12	≥12	≥10.8

1.8 IMOT-1550H High Power 1550nm Internal Modulation Optical Transmitter



IMOT-1550H	13	14	15	16	17	18	19	20	21	22	23	24
Optic Power (mW)	13	14	15	16	17	18	19	20	21	22	23	24
Optic Power (dBm)	20	25	32	40	50	63	80	100	125	160	200	250
Optic Wavelength (nm)	1530~1570											
Fiber Connector	FC/APC, SC/APC, SC/UPC											
Transmission distance(km)	20											
Working Bandwidth(MHz)	47~862											
CNR (dB)	≥51											



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CTB (dBc)	≤-65
CSO (dBc)	≤-60
RF Input Level(dBμV)	83±5
Flatness (dB)	≤0.75
Power consumption (W)	≤30
Power Voltage(V)	220V or -48VDC optional
Working Temp(°C)	-20~85
Storage Temp (°C)	-40~85
Size (")	19"×15"×1.75"

Product series

Model	High power 1550nm internal modulation optical transmitter
IMOT-1550H -13	Total output power ≥ 13dBm
IMOT-1550H -14	Total output power ≥ 14dBm
IMOT-1550H -15	Total output power ≥ 15dBm
IMOT-1550H -16	Total output power ≥ 16dBm
IMOT-1550H -17	Total output power ≥ 17dBm
IMOT-1550H -18	Total output power ≥ 18dBm
IMOT-1550H -19	Total output power ≥ 19dBm
IMOT-1550H -20	Total output power ≥ 20dBm
IMOT-1550H -21	Total output power ≥ 21dBm
IMOT-1550H -22	Total output power ≥ 22dBm
IMOT-1550H -23	Total output power ≥ 23dBm
IMOT-1550H -24	Total output power ≥ 24dBm

1.9 EMOT-1550S 1550nm Standard External Modulation Optical Transmitter



Item	Parameter
Laser type	DFB laser





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Wavelength (nm)	1550±10
Optical Modulation	External modulation
Optical output power (dBm)	1x5, 1x7, 1x9, 2x3, 2x5, 2x6, 2x7
SBS threshold (dBm)	16.5,Optional 13, 16, 18
Optical Connector	SC/APC or FC/APC
Frequency range (MHz)	47~750(862)
CNR (dB)	≥51.5
Flatness (dB)	±0.75
RF input level (dBuV)	78~88 AGC automatic control
C/CTB (dB)	≥65.0
C/CSO (dB)	≥65.0
RF input impedance (Ω)	75
RF Input Return Loss (dB)	≥16(47~550)MHz
	≥14(55~750(862)MHz
Voltage (V)	90~265VAC,Optional -48VDC
Power consumption (W)	≤50 (Single-supply operation)
Working Temperature	0~50°C (Automatic temperature control)
Storage temperature	-20~85°C
Relative humidity	20%~85%
Size (W)*(D)*(H)	19"*11"*1.75"
Network management interface	RJ45,Supporting the browser and SNMP
Communication interface	RS232,Optional
Weight	5Kg

Products series

Model	1550nm Standard External Modulation Optical Transmitter SBS=13/16/18, CNR≥51.5dB
EMOT-1550S-1X5	Single optic port, optical power≥5dBm
EMOT-1550S-1X7	Single optic port, optical power≥7dBm
EMOT-1550S-1X9	Single optic port, optical power≥9dBm
EMOT-1550S-2X3	Dual optic port, each port optical power≥3dBm
EMOT-1550S-2X5	Dual optic port, each port optical power≥5dBm
EMOT-1550S-2X6	Dual optic port, each port optical power≥6dBm
EMOT-1550S-2X7	Dual optic port, each port optical power≥7dBm

2.0 EMOT-1550H 1550nm High Class External Modulation Optical Transmitter



Item	Parameter
Wavelength	1550±10nm
Laser type	DFB laser
Optical Modulation	External modulation
Optical output power	2*7, 2*9, 2*10 dBm
SBS threshold	16.5, (13,16,19optional)
Optical Connector	SC/APC or FC/APC
Frequency range	47~750(862MHz)
CNR	≥52.5.0dB
Flatness	±0.75dB
RF input level	78~88 dBuV(AGC automatic control)
C/CTB	≥65.0 dB
C/CSO	≥65.0 dB
RF input impedance	75Ω
RF Input Return Loss	>16 dB (47~550) MHz >14 dB [55~750(862) MHz
Voltage	90~265VAC (-48VDC optional)
Power consumption	≤50W
Working Temperature	0~50 °C
Storage temperature	-20~85°C
Relative humidity	20%~85%
Size	19"×11"×1.75"(W*D*H)
Network management	Web, SNMP

Products series

Model	1550nm High class External Modulation Optical Transmitter, SBS=13/16/18, CNR≥52.5dB
EMOT-1550-H-2*7	2*outputs, Optical power≥7dBm
EMOT-1550-H-2*9	2*outputs, Optical power≥9dBm
EMOT-1550-H-2*10	2*outputs, Optical power≥10dBm



2.1 EDFA-1550S Standard Erbium Doped Fiber Amplifier



Items	Specification
Operating wavelength range	1540~1560nm
Optical input power	-10~+10 dBm
Nominal optical input power	3dBm
Working pump quantity	1~3
Saturated output power	13~27dBm
Number of output ports	1~8 (customer specify)
Noise Figure (NF)	<5.0dB (+0 dBm input @1550nm)
Optical output power stability	<±0.5 dB
Polarization Sensitivity	<0.2 dB
Polarization dependence gain	<0.5 dB
Polarization mode dispersion	<0.5ps
Optical connector (IN/OUT)	SC/APC or FC/APC or customer specify
SNMP management interface	RJ45 (optional)
Power supply	115~265VAC or -48 VDC
Power consumption	50W
Working temperature	-5~65°C
Storage temperature	-40~80°C
Operating relative humidity	5~95 %
Size	19"×14.5"×1.75" (1U,19")

Product series

Model	1550nm Standard Erbium Doped Fiber Amplifier
	Output power @ +3dBm input
EDFA-1550S-13	Saturated output power≥13dBm (20mW)
EDFA-1550S-14	Saturated output power≥14dBm(25mW)
EDFA-1550S-15	Saturated output power≥15dBm(32mW)
EDFA-1550S-16	Saturated output power≥16dBm(40mW)

EDFA-1550S-17	Saturated output power \geq 17dBm(50mW)
EDFA-1550S-18	Saturated output power \geq 18dBm(63mW)
EDFA-1550S-19	Saturated output power \geq 19dBm(80mW)
EDFA-1550S-20	Saturated output power \geq 20dBm(100mW)
EDFA-1550S-21	Saturated output power \geq 21dBm(125mW)
EDFA-1550S-22	Saturated output power \geq 22dBm(160mW)
EDFA-1550S-23	Saturated output power \geq 23dBm(200mW)
EDFA-1550S-24	Saturated output power \geq 24dBm(250mW)
EDFA-1550S-25	Saturated output power \geq 25dBm(320mW)
EDFA-1550S-26	Saturated output power \geq 26dBm(400mW)
EDFA-1550S-27	Saturated output power \geq 27dBm(500mW)

2.2 EDFA-1550H High Power Ytterbium Erbium Doped Fiber Amplifier



EDFA-1550HA (27-37dbm)



EDFA-1550H

Items	Specification
Operating wavelength range	1540~1560nm
Optical input power	-10~+10dBm
Nominal optical input power	3dBm



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Saturated output power	27~38dBm
Number of output ports	4~32 (customer specify)
Noise Figure (NF)	5.0~6.3 (+0 dBm input @1550nm)
Optical output power stability	<±0.5dB
Polarization Sensitivity	<0.2dB
Polarization dependence gain	<0.4dB
Polarization mode dispersion	<0.3ps
Optical connector (IN/OUT)	SC/APC or FC/APC or customer specify
Input/output optical isolation	>30dB
Pump power leakage	<-30dBm
Echo loss	>50dB
SNMP network management interface (optional)	RJ45
Power supply	90~265VAC or -48 VDC
Power consumption	<150W
Working temperature	-5~65°C
Storage temperature	-40~80°C
Operating relative humidity	5~95%
Size	19×14.5×3.5" (2U,19")

Product series

Model	1550nm High Power Y/EDFA			
	Output power @ 0dBm input		Output ports	Power of each port (dBm)
	dBm	mW		
EDFA-1550HA-27	27	500	4	19.5
			8	16
EDFA-1550HA-28	28	630	4	20.5
			8	17
EDFA-1550HA-29	29	800	4	21.5
			8	18
EDFA-1550H-30	30	1000	8	19
			16	15.5
EDFA-1550HA-31	31	1250	8	20
			16	16.5
EDFA-1550HA-32	32	1600	8	21
			16	17.5
EDFA-1550HA-33	33	2000	8	22
			16	18.5



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EDFA-1550HA-34	34	2500	16	19.5
EDFA-1550H-34			32	16
EDFA-1550HA-35	35	3200	16	20.5
EDFA-1550H-35			32	17
EDFA-1550HA-36	36	4000	16	21.5
EDFA-1550H-36			32	18
EDFA-1550HA-37	37	5000	16	22.5
	37	5000	32	19
EDFA-1550H-37	37	5000	16	22.5
			32	19
EDFA-1550H-38	38	6300	16	23.5
			32	20
EDFA-1550H-39	39	8000	16	24.5
			32	21
EDFA-1550H-40	40	10000	16	25.5
			32	22

2.3 Filter-based WDM Device (FWDM)



Item		Parameter							
Central Wavelength		850/ 1310	980/ 1550	1310/ 1550	1480/ 1550	1310/14 90/1550	C/L Band	1310/ 1625	1550/ 1625
Type1	Passband Wavelength	850± 50	980± 40	1310 ±40	1450~ 1490	1310±40 1490±10	1528~ 1563	1310 ±40	1550 ±40
	Reflective	1310 ±50	1550 ±40	1550 ±40	1530~ 1580	1530~15 80	1570~ 1610	1625 ±10	1625 ±10





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	Band Wave length								
Type2	Passband Wave length	1310 ±50	1550 ±40	1550 ±40	1530~1580	1530~1580	1570~1610	1625 ±10	1625 ±10
	Reflective Band Wave length	850±50	980±40	1310 ±40	1450~1490	1310±40 1490±10	1528~1563	1310 ±40	1550 ±40
Pass Channel Insertion Loss	≤0.6 dB								
Reflective Channel Insertion Loss	≤0.4 dB								
Pass Channel Isolation	Standard ISO≥30 dB, High ISO≥40 dB								
Reflective Channel Isolation	Standard ISO≥13 dB, High ISO≥18 dB								
Flatness	≤0.3 dB								
Directivity	≥50 dB								
Return Loss	≥45 dB								
PMD	≤0.10ps								
PDL	≤0.10 dB								
Insertion Loss Temperature Sensitivity	≤0.005 dB/°C								
Wavelength Temperature Shifting	≤0.002 nm/°C								
Fiber Type	50/125 or 62.5/125 Multimode fiber, SMF-28e Single mode fiber, HI1060 Fiber								
Max. Power Handling	≤500 mW								
Operation Temperature	-10~+70°C								





Storage Temperature	-40~+85°C
Package Dimension	Φ5.5×34 mm(Φ0.25 fiber), Φ5.5×38mm(Φ0.9 fiber)

2.4 IMOT-1330P 1310nm Pluggable Optical Transmitter



Item	Parameter
Laser model	DFB laser
Optic Power(mW)	2~28
Optic Wavelength (nm)	1310±10
Fiber Connector	FC/APC, SC/PC, SC/UPC
Working Bandwidth(MHz)	47~750(862)
Channels	84
CNR (dB)	≥51
CTB (dBc)	≥65
CSO (dBc)	≥-60
RF Input Level(dBμV)	75~85
RF input reflection loss (dB)	>16(47~550) MHz >14(550~750(862)) MHz
Flatness	±0.75
Power consumption(W)	≤50
Power Supply(V)	90~265 pluggable dual power supply
Working Temp(°C)	-20~85
Storage temp.(°C)	-40~85
Size	19"×11"×1.75"



Product series

Model	1310nm internal modulation optical transmitter (Pluggable)	
	Output power in mW	Output power in dBm
IMOT-1310P-04	≥4	≥6
IMOT-1310P-06	≥6	≥7.8
IMOT-1310P-08	≥8	≥9
IMOT-1310P-10	≥10	≥10
IMOT-1310P-12	≥12	≥10.8
IMOT-1310P-14	≥14	≥11.5
IMOT-1310P-16	≥16	≥12
IMOT-1310P-18	≥18	≥12.5
IMOT-1310P-20	≥20	≥13
IMOT-1310P-22	≥22	≥13.4
IMOT-1310P-24	≥24	≥13.8
IMOT-1310P-26	≥26	≥14.0
IMOT-1310P-28	≥28	≥14.5

2.5 FCOT-2600DB CATV & SAT-IF FTTH Optical Transmitter



Optical parameter	
Optical wavelength	1310, 1550nm
Optical output power	4~10mW (1550nm) 8~30mW (1310nm)
Optical return loss	≥50dB
Optical connector type	SC/APC
Laser type	Cooling DFB
CATV Parameter	
Frequency range	47~862MHz
Input level	75~85dBuV



Flatness	±0.75dB
Input Return Loss	14dB
CNR	≥51dB
CTB	≥63dB
CSO	≥58dB
Input impedance	75Ω
RF ports	F Imperial
SAT-IF Parameter	
Frequency range	950~2600MHz
Input level	83~103dBuV
Flatness	±1.0dB
Input Return Loss	10dB
C/IM3	≥55
RF ports	F Imperial
Input impedance	75Ω
General	
Power supply	AC 110~260V
Consumption	30W
SNMP Network interface	RJ45 (Ethernet 10/100Mb/s)
Operating temperature	0~50°C
Storage temperature	-40~60°C
Relative humidity	5%~95%
Size	1U 19"
Net weight	5kg

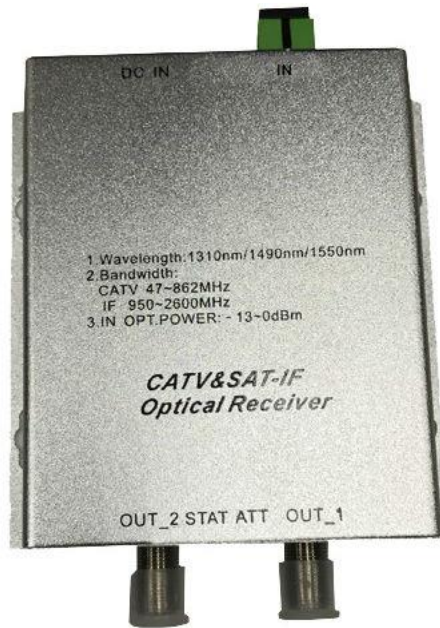
Products Series

Model	Wavelength	Output power in mW	Output power in dBm
FCOT-2600DB -13-8	1310nm DFB cooling	≥8	≥9
FCOT-2600DB -13-10		≥10	≥10
FCOT-2600DB -13-12		≥12	≥10.8
FCOT-2600DB -13-14		≥14	≥11.5
FCOT-2600DB -13-16		≥16	≥12
FCOT-2600DB -13-18		≥18	≥12.5
FCOT-2600DB -13-20		≥20	≥13
FCOT-2600DB -13-22		≥22	≥13.4
FCOT-2600DB -13-24		≥24	≥13.8
FCOT-2600DB -13-26		≥26	≥14.0
FCOT-2600DB -13-28		≥28	≥14.5



FCOT-2600DB -13-30		≥30	≥14.8
FCOT-2600DB -15-4		≥4	≥6
FCOT-2600DB -15-6		≥6	≥7.8
FCOT-2600DB -15-8		≥8	≥9
FCOT-2600DB -15-10		≥10	≥10

2.6 FCOR-2600DB CATV & SAT-IF FTTH Optical Receiver



Optical parameter	
Working wavelength	1290~1600nm
Optical power input	-13~0dBm
Optic return loss	≥45dB
Optical connector type	SC/APC
RF parameter	
Frequency	47~862MHz
Flatness	±1.5dB
Output impedance	75Ω
Output return Loss	>16db
Output level	66~86 dBuV @0dBm
CNR	≥50@0dBm
CTB	≥62@0dBm
CSO	≥63@0dBm
SAT-IF parameter	
Frequency	950~2600MHz
Output level	59~79 dBuV

Flatness	±1.5dB
IMD	-40dBc
Output impedance	75Ω
General	
Power supply	12VDC
Power consumption	≤4W
Operating temperature	-0~50 °C
Storage temperature	-20~85°C
Relative humidity	20%~85%
Weight	0.3KG
Size	13.5*10*2.6cm

2.7 FCOR-2600WDB PON, CATV & SAT-IF FTTH WDM Optical Receiver



Optical parameter	
Working wavelength	1290~1600nm
Optical power input	-13~0dBm
Optic return loss	≥45dB
Optical connector type	SC/APC
RF parameter	
Frequency	47~862MHz
Flatness	±1.5dB



Output impedance	75Ω
Output return Loss	>16db
Output level	66~86 dBuV @0dBm
CNR	≥50@0dBm
CTB	≥62@0dBm
CSO	≥63@0dBm
SAT-IF parameter	
Frequency	950~2600MHz
Output level	59~79 dBuV
Flatness	±1.5dB
IMD	-40dBc
Output impedance	75Ω
General	
Power supply	12VDC
Power consumption	≤4W
Operating temperature	-0~50 °C
Storage temperature	-20~85°C
Relative humidity	20%~85%
Weight	0.3KG
Size	13.5*10*2.6cm

2.8 MD-24 24 in 1 Fixed Channel Modulator



Frequency Range	47~860MHz (Any one channel)
Output Level	≥105dBμV
Output Level Adjustment Range	0~-20dB (Variable)
Video to Audio Carrier	-10dB~-30dB adjustable
Output Impedance	75Ω
Spurious Output Suppression	≥60dB
Frequency Accuracy	≤±5KHz (VHF), ≤±10KHz (UHF)
Video Output Reflection	≥12dB (VHF); ≥10dB (UHF)



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Video Input Level	1.0Vp-p (87.5% Modulation)
Video Input Impedance	75Ω
Differential Gain	≤5% (87.5% Modulation)
Differential Phase	≤5°(87.5% Modulation)
C/L Delay	≤45 ns
Flatness	±1dB
Video Modulator Depth	0~90% (Variable)
Video S/N	≥55dB
Audio Input Level	1Vp-p (±50KHz)
Audio Input Impedance	600Ω
Audio S/N	≥57dB
Audio Pre-weighted	50μs
Power Supply	AC 110V/220V±10% 50Hz±2Hz, 50W
Working Temperature	0~40°C
Dimensions	19 Inch 4 U housing

2.9 AMD-16 16 in 1 Adjustable Channel Modulator



Frequency	47~860MHz
Output Level	≥100dB μ V
Output Level Adj. Range	0~-20dB (Adjustable)
A/V Ratio	-10dB~-30dB (Adjustable)
Output Impedance	75 Ω
Spurious Output	≥60dB
Frequency Accuracy	≤ ± 10KHz
Output Return Loss	≥12dB(VHF); ≥10dB(UHF)





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Video Input Level	1.0Vp-p(87.5% Modulation)
Input Impedance	75 Ω
Differential Gain	$\leq 5\%$ (87.5% Modulation)
Differential Phase	$\leq 5^\circ$ (87.5% Modulation)
Group Delay	≤ 45 ns
Visual Flatness	± 1 dB
Depth Adjust	0~90%
Video S/N	≥ 55 dB
Audio Input Level	1Vp-p(± 50 KHz)
Audio Input Impedance	600 Ω
Audio S/N	≥ 57 dB
Audio Pre-emphasis	50 μ s
Rack	19 Inch standard