

iF-H9008C-WD-SA-SP

Features

iFiber iF-H9008C-WD-SA-SP series CATV converter for digital television, fiber to the home. This machine adopts the high sensitivity optical receiving tube, without power supply, no power consumption.

When the input optical power output level $P_{in}=-1\text{dBm}$, $V_o=68\text{dB}\mu\text{V}$, it will economically and flexibly apply the integration of three networks, fiber to the home network application.

iF-H9008C-WD-SA-SP appearance of enamel, built-in FWDM, suitable for single-fiber triple wavelength system, CATV operating Wavelength 1550nm, pass wavelength 1310/1490nm, can conveniently connect the ONU of EPON, GPON.



Technical Specifications

	Performance		Values	Details
Optic Features	CATV work wavelength	(nm)	1540~1563	
	Pass wavelength	(nm)	1310, 1490	
	Channel Isolation	(dB)	≥40	1550nm & 1490nm
	Responsivity	(A/W)	≥0.85	1310nm
			≥0.9	1550nm
	Receiving power	(dB)	-14 ~+2	Digital TV (MER>29dB)
	Optical return loss	(dB)	≥55	
	Optical fiber input		SC/APC	
Optical fiber output		SC/UPC		
RF Features	Work bandwidth	(MHz)	45-1050	
	Output level	(dBμV)	>68	Digital TV(Pin=-1dBm)
	Return loss	(dB)	≥14	47 ~ 862MHz
	Output impedance	(Ω)	75	
	Output port number		1	
	RF out		F-Female	
Digital TV Link Features	OMI	(%)	4.3	
	MER	(dB)	≥38	Pin:+1~-6dBm
			≥30	Pin=-13.0dBm
BER	(dB)	<1.0E-9	Pin :+2.0~-14dBm	
General Features	Work temperature	(°C)	-20 ~ +55	
	Storage temperature	(°C)	-40 ~ 85	
	Work relative temperature	(%)	5 ~ 95	
	Size(W)×(D)×(H)	(mm)	50×88×22	