

4-WAY (PR-8430) OUTPUT OPTICAL NODE



Summary: This type of Optical Node is based on the advanced experience of CATV HFC optical transmission. Mainly used in transmission of the long distance video, image, digital and audio signal.

Performance Characteristics:

- Adopt Philips, Photon and E-O Pin Optical Receiving IC, import Philips or Motorola power doubler amplify module (or depends on customers, adopt GaAs)
- Plug-in insert return reverse transmit parts, could develop the return access conveniently.
- Insert Dual-Filter, insert Fix-Equalizer, Fix Attenuator insert output splitter, eighth-order optical power indication, reasonable testing connector, make more convenient.
- Aluminium waterproof housing, high-capability power switch, anti-thunder system, make sure work properly outdoor.
- Work properly under low-optical power 9dBm. High performance to price ratio, be suitable for medium and small size CATV network.

Forward Performance Parameter				
Optical Parameter				
Receive Optical Power	dBm	-5 ~ +2		
Propose Use Range	dBm	-3 ~ +1		
Return Loss	dB	>45		
Optical Wavelength	nm	1100 ~ 1600		
Connector Type		FC/APC, SC/APC		
Fiber Type		Single Mode		
Circuit Performance				
C/N	dB	≥51	≥51	≥51
C/CBT	dB	≥69	≥67	≥65
C/CSO	dB	≥62	≥61	≥60
RF Output Performance				
Frequency Range	MHz	45/87~750/862		
Flatness in Band	dB	±0.5(45~550 MHz); ±0.75(550~750/862 MHz)		
Rated Output Level	dB μ V	≥94	≥92	≥90
Max Output Level	dB μ V	≥108	≥110	≥112
Input RETURN Loss	dB	≥16(45~550MHz); ≥14(550~750/862MHz)		
Output Impedance	Ω	75		
General Performance				
Supply Voltage	V	A: AC (135~250) V; B: AC(35~90) V		
Operating Temperature	°C	-40~60		
Storage Temperature	°C	-40~65		
Relative Humidity	%	Max 95% No Condensation		
Consumption	VA	≤ 40		
Dimension	mm	340 (L) X 220 (W) X 140 (H)		