

PLATINUM

- FW8PSK-DC-REF- modulator



Outline

The PLATINUM - FW8PSK-DC-REF- modulator DVB-S2 modulator is a high performance modulator developed according to DVB-S2 standard which is the standard of second generation of the European broadband satellite telecommunication. It adopts advanced framing structure, channel coding and modulation technology, increasing over 50% transmission ability more than DVB-S modulator under the same transmission condition and also providing a more powerful receiving ability in the same spectral efficiency. In addition, it is backwards-compatible with DVB-S modulating standard. This DVB-S2 modulator supports local and remote control through SNMP/NMS software. For field scope, the device can be used for Broadcasting, Interactive Services, News Gathering and other Broadband satellite applications.

Features

- ❖ Compliant to DVB-S2 and DVB-S standard ❖
- ❖ Two ASI inputs supporting hot backup with loop out
- ❖ Supporting local and remote control
- ❖ 1 external 10MHz reference clock input
- ❖ RF output frequency range: 950~2150MHz
- ❖ RF output level: -31.5~0dbm, 0.5db stepping
- ❖ Excellent RF performance, MER≥36db

- ❖ Constant temperature crystal oscillator, as high as 0.1ppm stability
- ❖ Full-size front panel LCD display and keyboard
- ❖ Support network management(SNMP/NMS)

Specifications

MPEG-TS Input	Supporting 188/204Byte transmission stream packet		
	Two ASI inputs, supporting hot backup with loop out		
	ASI input connector: BNC, impedance 75Ω		
RF Output	Frequency is continuously adjustable from 950 to 2150MHz		
	Output Level attenuation is continuously adjustable from -31.5~0 dB; 0.5 dB stepping		
	Maximum Output level: 0dBm		
	MER≥36dB		
	Connector: N type, impedance 50Ω		
	Coupling power supply: 24V/4A DC output	Coupling reference clock: 10MHz reference clock output	
Channel coding and modulation	Standard DVB-S		
	Outer coding RS coding	BCH coding	
	Inner coding Convolutional	LDPC coding	
	Code Rate 1/2,2/3,3/4,5/6,7/8	QPSK:1/4,1/3,2/5,1/2,3/5,2/3,3/4, 4/5,5/6, 8/9, 9/10 8PSK:3/5,2/3,3/4,5/6,8/9,9/10	
	Constellation QPSK	QPSK,8PSK	
	Roll-off Factor 0.2, 0.25, 0.35	0.2, 0.25, 0.35	
	Symbol Rate 0.05~45Msps	0.05~30Msps(8PSK) 0.05~45 Msps(QPSK)	
Miscellaneous	Dimension 44mm×482mm×410mm		
	Environmental 0~45°C(operation), -20~80°C (storage)		
	Power 100-240VAC,50Hz-60Hz		

Order information:

		NDS3402-C
coupling 10Mhz clock		•
coupling 24V/4A power		•