PDH frequency locking module

CONTROL ELECTRONICS & MODULES

High impedance load bandwidth 50 kHz Capacitive load bandwidth (small signal output 0.1 uF load) 20 kHz

- High Bandwidth Low Noise
- Can Achieve Hz Line
- Width Ultra
- Stable Laser Automatic Lock
- Back
- Laser Frequency Stabilization Precision
- Measurement

Specifications

Parameter	PreciLock-L	PreciLock-PDH
Configuration	Modulation & De-modulation module + PID module	Modulation & De-modulation module + PID module
Modulation Frequency Range	10kHz-100kHz	10kHz-30MHz
Modulation Frequency Resolution	1kHz	1kHz
Demodulation Phase	0-360°	0-360°
Output Modulation Voltage Range	>10dBm	>10dBm
Fast Analog Pid Bandwidth	>8MHz	>8MHz
Fast Analog Pid Output Voltage Range	-4 V-4 V	-4 V-4 V
Low Speed Analog Pid Bandwidth	>3MHz	>3MHz
Low Speed Analog Pid Output Voltage Range	-5V~+5V	-5V~+5V
High Voltage Amplifier Output Voltage Range (optional)	0-110V	0-110V
High Voltage Amplifier Gain (optional)	15	15
High Voltage Amplifier Bandwidth (optional)	High impedance load bandwidth 50 kHz Capacitive load bandwidth (small signal output 0.1 uF load) 20 kHz	High impedance load bandwidth 50 kHz Capacitive load bandwidth (small signal output 0.1 uF load) 20 kHz
High Voltage Amplifier Maximum Output Current (optional)	<50 mA	<50 mA
PD Signal Input Range	<1 Vpp	<1 Vpp
PD Signal Input Impedance	50 Ω, AC coupling	50 Ω, AC coupling
Output Scanning Signal	20Hz,Triangle Wave, -1 V~+5 V	20Hz,Triangle Wave, -1 V~+5 V
Power Supply	200-240V, AC, 50/60Hz, Optional 110V	200-240V, AC, 50/60Hz, Optional 110V

Source: WaveQuanta product database. For ordering, customization (wavelength, power, package) and quotation, contact sales@wavequanta.com.