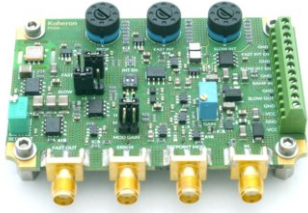


PI200 - Laser servo controller

Koheron PI200 is a laser servo controller with PI² loop filter.



Specifications

	PI200	PI200-T
Servo		
Control bandwidth	5 MHz	5 MHz
Loop delay	20 ns	20 ns
Slow integrator frequency range	800 mHz - 800 Hz	8 mHz - 8 Hz
Fast integrator frequency range	47 kHz - 4.7 MHz	47 kHz - 4.7 MHz
Output voltage noise (0 dB gain)	5 nV / $\sqrt{\text{Hz}}$	5 nV / $\sqrt{\text{Hz}}$
Input voltage range	+/- 1.8 V on 50 Ω	+/- 1.8 V on 50 Ω
Output voltage range	+/- 2.0 V on 50 Ω	+/- 2.0 V on 50 Ω
Other		
Supply voltage (positive)	4.7 V to 6 V	4.7 V to 6 V
Supply voltage (negative)	-4.7 V to -6 V	-4.7 V to -6 V
Dimensions	38 mm x 53 mm x 12 mm	38 mm x 53 mm x 12 mm
Weight	40 g	40 g
Operating temperature	0 - 50 °C	0 - 50 °C