

Product Specification Summary

High-Performance Optical Modulator Drivers For Lightwave Systems to 43 Gb/s

FO-CD Series

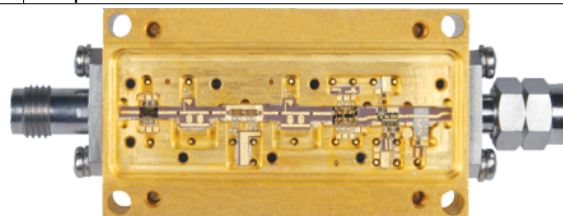
Narda's FO-CD Series high-performance optical modulator drivers are designed to be used with lithium niobate (LiNbO₃) and other types of modulators in lightwave systems with data rates up to 43 Gb/s (OC-48 to OC-768). They combine exceptional electrical performance with user-adjustable features and a wide range of optional configurations that give designers broad flexibility when integrating them into proprietary systems.

The FO-CD Series units are extremely stable, internally regulated, and can be specified with an integral phase shifter that allows phase to be varied more than 90 deg. The units are compact, have low power consumption, and maintain stability over a wide temperature range.

Key features

- 10 dB variable output amplitude control range
- Excellent output amplitude stability over temperature and input power
- Low DC power consumption
- Four models:
 - FO-CD-2.66-00: (2.4 to 2.7 GHz output (OC-48)
 - FO-CD-10.7-00: 9.9 to 10.8 GHz output (OC-192)
 - FO-CD-21.4-00: 19.9 to 21.6 GHz output (OC-192)
 - FO-CD-43-00: 39.8 to 43.1 GHz output (OC-768)
- Measure only 3.4 x 2 x 0.57 in.
- 0° to +55° C temperature range

Parameter	FO-CD-2.66-00	FO-CD-10.7-00	FO-CD-21.4-00	FO-CD-43-01
Frequency range (GHz)	2.4 to 2.7	9.9 to 10.8	19.9 to 21.6	39.9 to 43.1
Noise figure (dB)	10	8	9	15
Input power (dBc)	-8 to +4			
Maximum output voltage (VDC)	3.6 to 8 (adjustable)			
Gain control range (dB)	10			
Output power variation over temperature and input power (dB)	0.5			
Harmonic suppression (dBc)	30			
Power (VDC @ mA)	+9 @ 850 (8 Vpp input)			
Size (in.)	2.25 x 2 x 0.88			
Features	Optional phase shifter, adjustable output, integral output detector, surface mount (FO-CD-2.66-00), matched pairs (same output power vs. control voltage, same phase vs. control voltage, same phase and output versus temperature			



Please consult the factory for detailed product specifications.

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