

Optribution Delay Lines



The final product may vary from the above image depending on the options selected.

Products:

DEV 7858 Optical Delay Line; SC/APC; 1 RU

DEV 7859 Optical Delay Line; SC/APC; 3 RU

Features:

- Optical Delay Lines in 1 RU or 3 RU Chassis
- Time Delay from 5 μ s up to 170 μ s (DEV 7858) or from 170 μ s up to 660 μ s (DEV 7859)
- High Delay Accuracy
- Low Attenuation
- Optical Connector Options

DEV 7858 Optical Delay Line; SC/APC; 1 RU

	Value	Condition
Optical Specifications		
Optical Connector	SC/APC, E2000/HRL, or FC/APC	Standard is SC/APC
Fiber Type	Single Mode 9/125 μ m	
Wavelength	1310...1625 nm	
Attenuation	<0.35 dB/km @ 1310 nm <0.20 dB/km @ 1550 nm <0.23 dB/km @ 1625 nm	Notes 1, 2
Time Delay	5...170 μ s	Note 3
Delay Accuracy	± 1 %, ± 50 ns, or ± 5 ns	Standard is ± 1 %, refer to Options
General Specifications		
Size	19" (483 mm) Width, 1 RU (45 mm) Height, 17.7" (450 mm) Depth	
Weight	7...10 kg	
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1E	

Note 1: Without connector loss

Note 2: For total optical attenuation, add 1 dB connector losses (i.e. 0.5 dB per connector)

Note 3: Calculations are based on physical lengths of the optic fiber; delay is assumed as 4.9 μ sec/km

DEV 7859 Optical Delay Line; SC/APC; 3 RU

	Value	Condition
Optical Specifications		
Optical Connector	SC/APC, E2000/HRL, or FC/APC	Standard is SC/APC
Fiber Type	Single Mode 9/125 μ m	
Wavelength	1310...1625 nm	
Attenuation	<0.35 dB/km @ 1310 nm <0.20 dB/km @ 1550 nm <0.23 dB/km @ 1625 nm	Notes 1, 2
Time Delay	170...660 μ s	Note 3
Delay Accuracy	± 1 %, ± 50 ns, or ± 5 ns	Standard is ± 1 %, refer to Options
General Specifications		
Size	19" (483 mm) Width, 3 RU (133 mm) Height, 19.5" (495 mm) Depth	
Weight	7...18 kg	
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1E	

Note 1: Without connector loss

Note 2: For total optical attenuation, add 1 dB connector losses (i.e. 0.5 dB per connector)

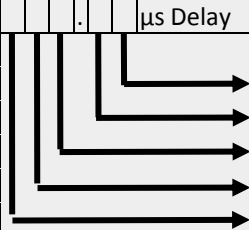
Note 3: Calculations are based on physical lengths of the optic fiber; delay is assumed as 4.9 μ sec/km

Order Information

Products

DEV 7858	Optical Delay Line; SC/APC; 1 RU
DEV 7859	Optical Delay Line; SC/APC; 3 RU

Please select the **Time Delay** for the Application:

μs Delay	Option	Delay Step Size	
	Option 61	10 ns	162.85 μs for example is to be ordered as: 5 * Option 61 8 * Option 62 2 * Option 63 6 * Option 64 1 * Option 65
	Option 62	100ns	
	Option 63	1 μs	
	Option 64	10 μs	
	Option 65	100 μs	

Delay Accuracy Options

Option 20	Enhanced Delay Accuracy ±50 ns
Option 21	Enhanced Delay Accuracy ±5 ns

Optical Connector Options

Option 07	FC/APC Optical Connector
Option 08	E2000/HRL Optical Connector

Contact

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Technical specifications are subject to change