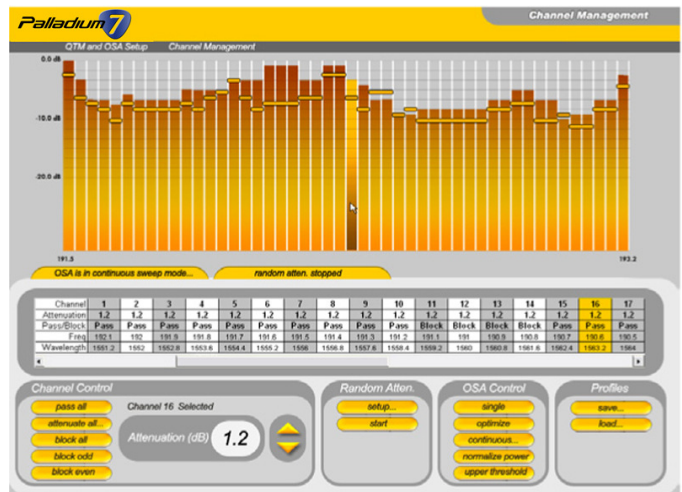




► OCC-100

OPTICAL CHANNEL CONTROLLER



Graphical User Interface provides simple control of the attenuation and blocking features of the Optical Channel Controller.

► Features

Attenuate up to 48 C-band or 64 L-band ITU channels

Block any or a group of channels

RS-232, GPIB and Ethernet Interfaces

100 GHz ITU grid conformance

► Benefits

Enables complete power level control

Enables optical spectrum shaping

Increases multi-wavelength testing versatility

Enables closed loop dynamic flatness control

Offers programmable and user-friendly GUI operation

► Applications

Optical system testing and verification

Wavelength selective module testing

Amplifier, ROADM and OPM testing and characterizations

Reconfigurable RF-waveform generation

Companion module to multi-wavelength laser arrays



OPTICAL CHARACTERISTICS

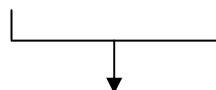
Parameter	Specification
Wavelength Plan	
OCC-100C	100 GHz, 48 Channels
OCC-100L	100 GHz, 64 Channels
Wavelength Range	
OCC-100C	1527.99 – 1565.50nm
OCC-100L	1554.94 – 1607.47nm
Center Wavelength	ITU Grid
Channel Passband (@0.5 dB)	> 50 GHz
Max Input Power	300 mW
Insertion Loss	< 7 dB
Blocking Attenuation	> 35 dB
Settable Attenuation Range	20 dB
Attenuation Set Resolution	0.1 dB
Polarization Dependant Loss	< 0.3 dB
Attenuation Stability (Open Loop)	< 0.1 dB, 3 hr

PHYSICAL/ELECTRICAL CHARACTERISTICS

Parameter	Specification
Power Requirements	110 - 220 V AC 50 - 60 Hz
Packaging Dimensions	23.5(w) x 8.8(h) x 35.9(d) cm
Input/Output Bulkhead Connectors	SC/APC
Control/Monitor Interface	RS-232, GPIB, Ethernet
Power Consumption	< 25 W
Operating Temperature	10 to 40C

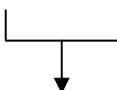
ORDERING INFORMATION

OCC-



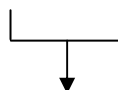
Channel Spacing

100 = 100 GHz
050 = 50 GHz



Channel Band

C = C Band
L = L Band



Power Cord Type

1 = North America (NEMA-5-15)
2 = Continental Europe (CEE 7/7)
3 = Great Britain (BS1363)
4 = Japan (JIS 8303)
5 = Italy (CEI 23-16)
6 = Switzerland (SEV 1011)
7 = Denmark (SRAF 1962 DB 16/87)
8 = Other