

Dense wavelength division multiplexing module

FIBER-OPTIC TEST EQUIPMENT



Dense Wavelength Division Multiplexers (DWDM) utilize thin film coating technology and dedicated optical design to achieve upstream and downstream light within ITU wavelengths. It provides the characteristics of ITU channel center wavelength, low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and glue-free loop. In telecommunications network systems, it can be used for upstream or downstream optical signals.

Specifications

Parameter	Specification
Mux	Demux
Channel wavelengths (nm)	ITU 200GHz Grid
Center wavelength accuracy (nm)	± 0.1
Channel spacing (GHz)	200
Channel bandwidth (nm)	>0.5@0.5dB >1.0@3dB
Insertion loss (dB)	≤ 5.5
Channel consistency (dB)	≤ 1.5
Channel flatness (dB)	0.3
Isolation (dB)	>30
Non-adjacent	>40
Insertion loss thermal stability (dB/ °C)	<0.005
Wavelength temperature change (nm/ °C)	<0.002
Polarization dependent loss (dB)	<0.15
Polarization mode dispersion	<0.1
Directionality (dB)	>50
Return loss (dB)	>45
Rated power (mW)	300
Operating temperature (°C)	-5~+75

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