



## **Ultra Compact 16ch DWDM**

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## 1. Performance

This document proposes the specifications of ultra compact 16 channel 100G DWDM (tight-sealed, Epoxy free optical path):

Parameters		Value	Unit
Channel Center Wavelengths (nm)		100GHz ITU channels as requested by customers	nm
Channel Spacing		100GHz	nm
Channel Passband (0.5dB)		0.24	nm
Insertion Loss		<= 2.5 with uniformity <1.0 (premium) <= 3.0 with uniformity <1.5 (standard)	dB
Isolation	Adjacent	>= 30	dB
	Non-adjacent	>= 40	dB
Polarization Dependent Loss		<= 0.30	dB
Return Loss		>= 45	dB
Directivity		>= 55	dB
Operating Temperature		-5 ~ +70	°C
Storage Temperature		-40 ~ +85	°C
Dimension		31x23.6x6.5	mm
Fiber		250um Corning ClearCurve Fiber, or with 0.6/0.9mm loose tube.	

## 2. Ultra Compact DWDM module size reference



## 3. RoHS appliance. GR-1209-Core, GR-1221-Core Generic Requirement and test standard.