



E-Band 10 Channel Mux Module 2 Grid 3

Part Number: WD15010M1L2-NT1
Serial Number: EC052130
Temperature: 23.0 °C
Connectors: SC/PC
Fiber: SMF-28 3mm cable

11-25-1999

Channel	Nominal Center (nm)	Actual Center (nm)	Insertion Loss at Nominal (dB)	Insertion Loss over Guardband (dB)	Flatness over Guardband (dB)	Adjacent Isolation
λ_{26}	1591.255	1591.237	≤ 2.74	≤ 3.02	≤ 0.32	≥ 26.5
λ_{29}	1593.793	1593.814	≤ 2.29	≤ 2.73	≤ 0.44	≥ 29.7
λ_{32}	1596.339	1596.362	≤ 1.25	≤ 1.62	≤ 0.38	≥ 30.3
λ_{35}	1598.893	1598.882	≤ 1.51	≤ 1.70	≤ 0.23	≥ 31.0
λ_{38}	1601.455	1601.426	≤ 1.34	≤ 1.40	≤ 0.07	≥ 31.8
UPGRADE - RED	1598.041	-	≤ 1.47	-	≤ 0.03	-

Channel	Nominal Center (nm)	Actual Center (nm)	Insertion Loss at Nominal (dB)	Insertion Loss over Guardband (dB)	Flatness over Guardband (dB)	Adjacent Isolation (dB)
λ_2	1571.239	1571.245	≤ 2.45	≤ 2.61	≤ 0.16	≥ 30.9
λ_5	1573.714	1573.688	≤ 2.24	≤ 2.35	≤ 0.12	≥ 30.1
λ_8	1576.196	1576.154	≤ 1.96	≤ 2.06	≤ 0.13	≥ 28.5
λ_{11}	1578.686	1578.668	≤ 2.00	≤ 2.10	≤ 0.13	≥ 29.0
λ_{14}	1581.184	1581.153	≤ 1.72	≤ 1.90	≤ 0.22	≥ 27.1
UPGRADE - BLUE	1577.855	-	≤ 1.61	-	≤ 0.05	-

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Guardband: Nominal Channel Center - 0.159nm / + 0.128nm
Measurements include one connector loss
All wavelengths calibrated in vacuum

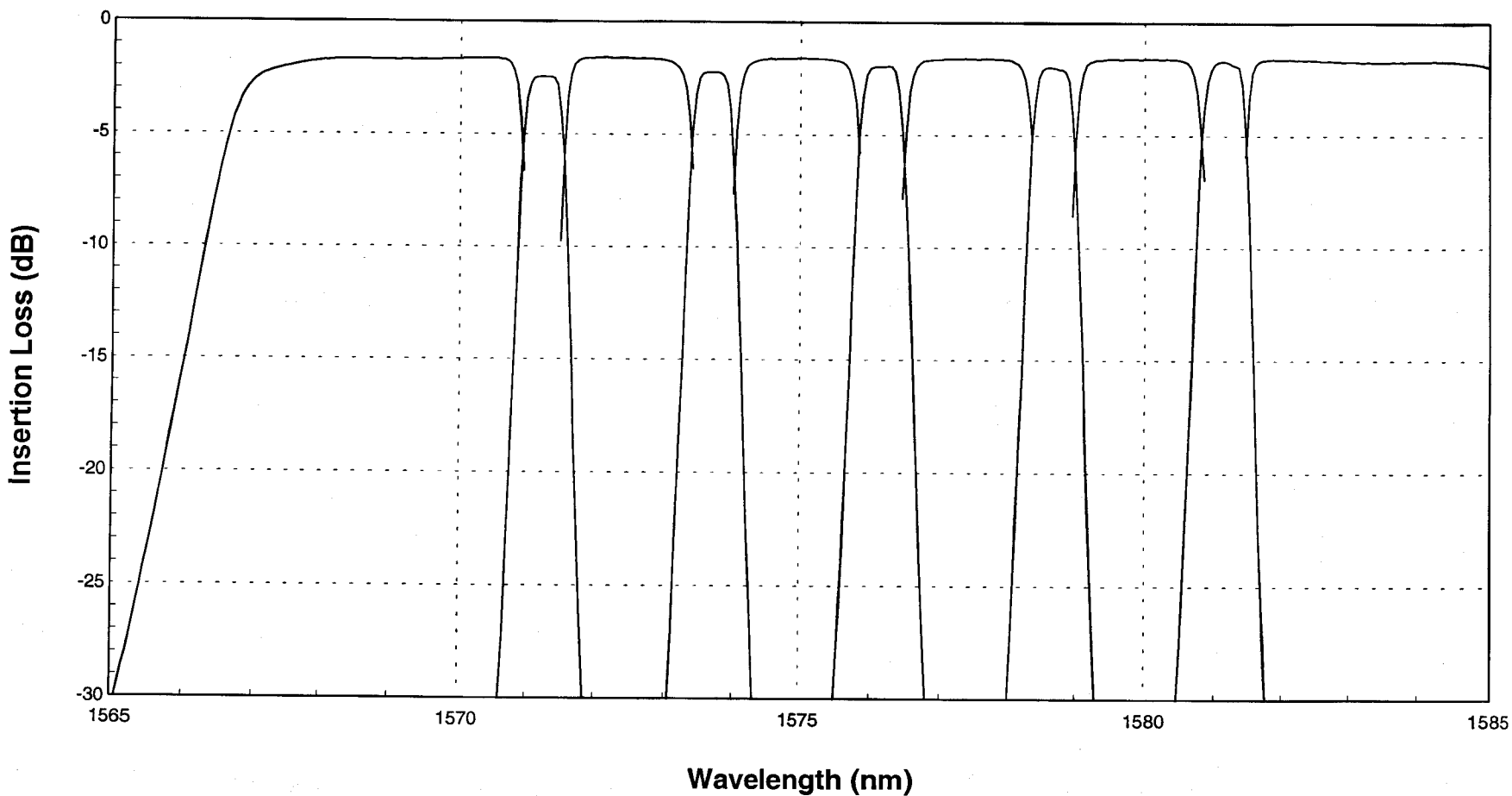
Other Design Parameters

PDL (dB)	PMD (ps)	Directivity (dB)	Optical Return Loss (dB)	Non-adjacent Channel Isolation (dB)	Operating Temperature (°C)
<0.2	<0.15	>55	>45	>45	0 - 70

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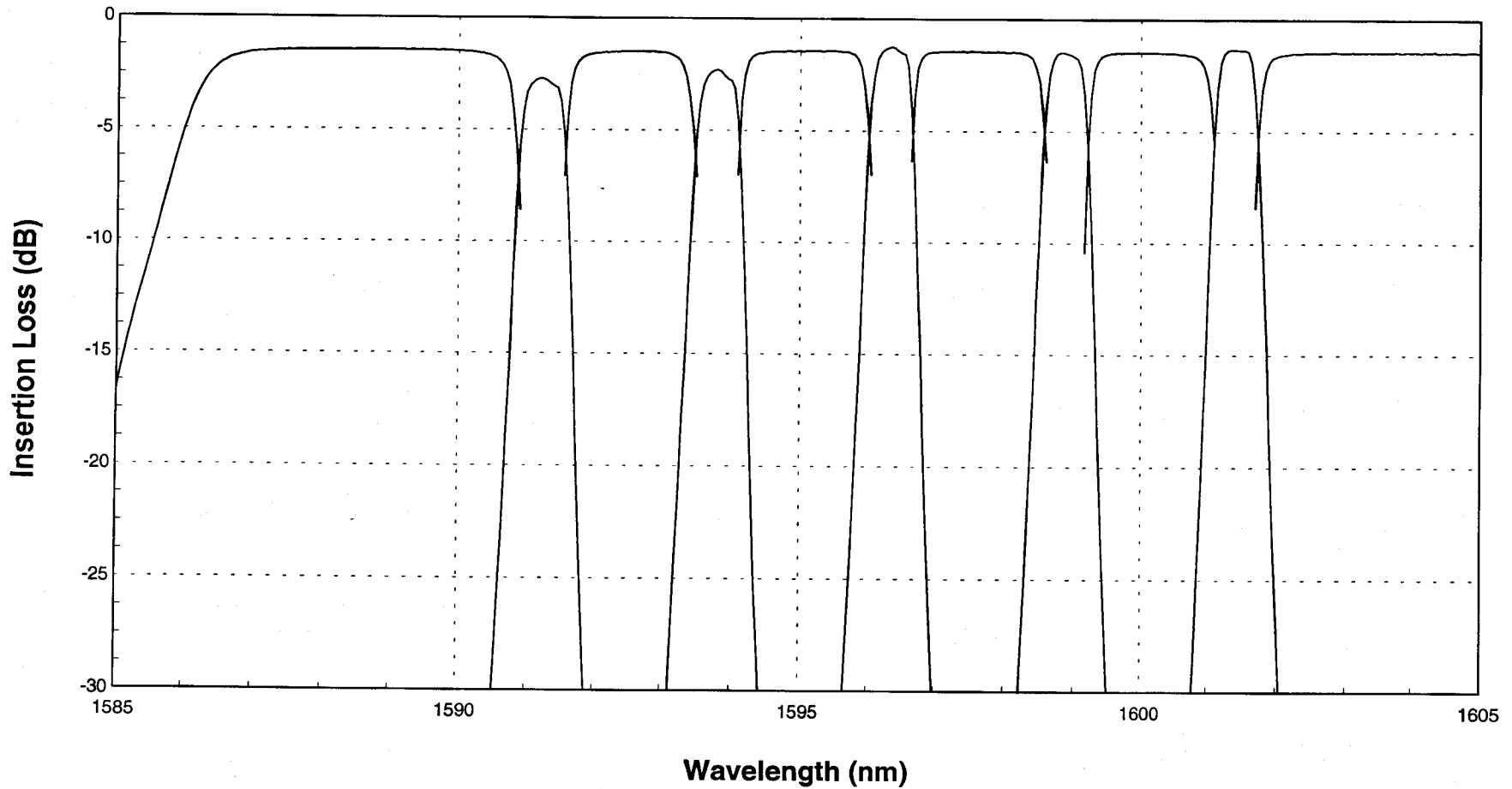
SPECTRAL PLOT - BLUE BAND



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SPECTRAL PLOT - RED BAND



Test Inspector Chris Aikens

Date Nov 26/99