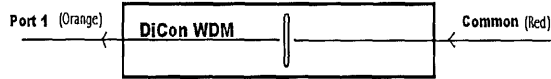


# Gain Flattening Filter Final Test Report



**Model Type:** SCD1103  
**Serial No:** 38A199001622  
**Package Type:** Cylindrical  
**Fiber Type:** 9/125/250  
**Pigtail Length:** 1M  
**Cable Type:** Bare Fiber  
**Connector Type:** None  
**Light Source:** HP8168F  
**Detector Used:** HP8153A

**Flattening Band**                      **From** 1530.25    **To** 1562.75    **nm**

Wavelength Independent Loss		
Measured:	-0.489	dB
Required:	-1.2	dB
Status:	PASS	

Error Function		Back Reflection				
		Input	Output			
Measured:	± 0.3565	dB	Measured:	-54	-60	dB
Required:	± 0.5	dB	Required:	-50	-50	dB
Status:	PASS		Status:	PASS	PASS	

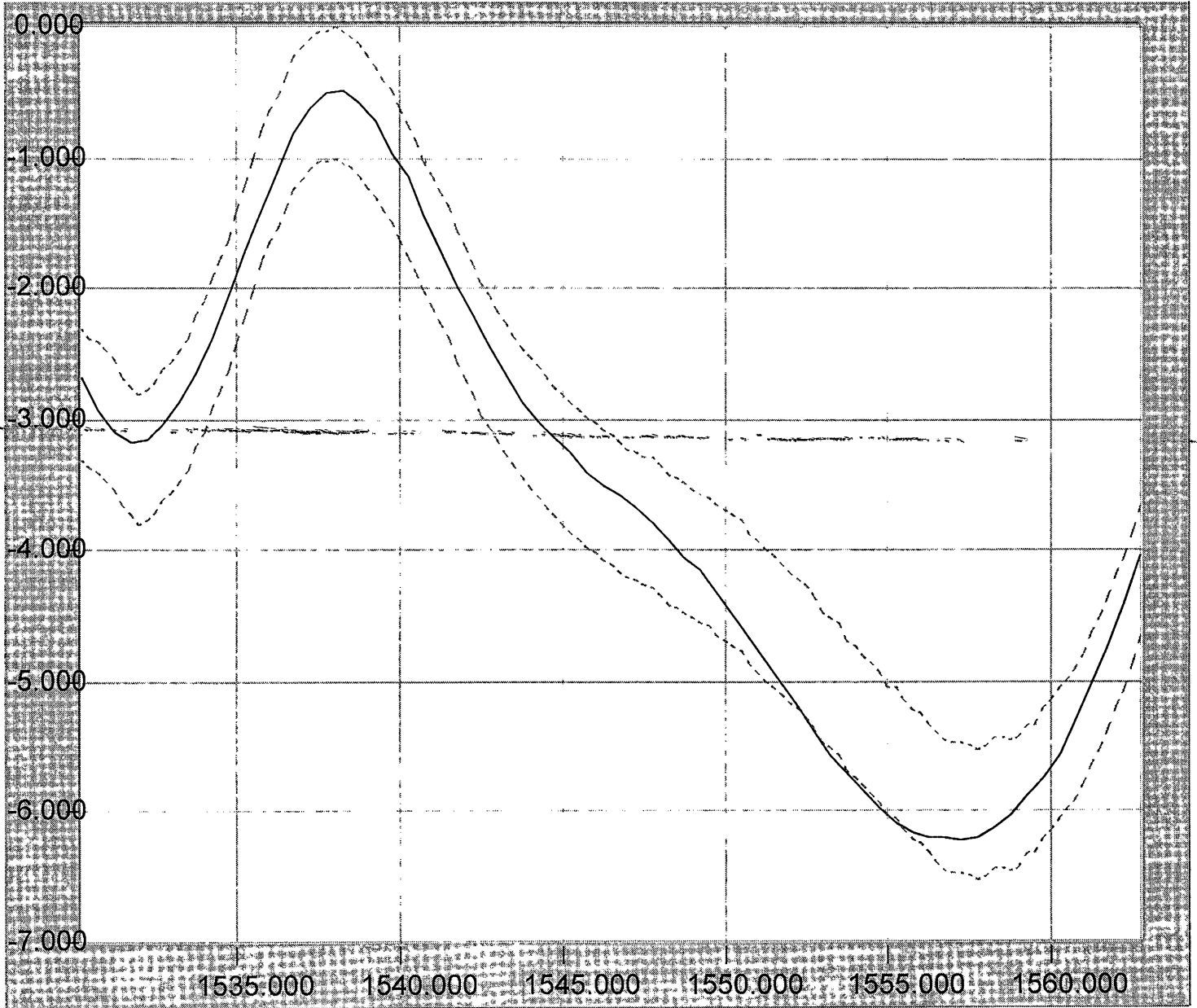
<b>Special Note</b>	<b>Comments:</b> <i>All wavelengths measured in vacuum</i>
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**Inspector ID:** 314

**DiCon Fiberoptics, Inc.**  
 1331 EIGHTH STREET  
 BERKELEY, CA 94710

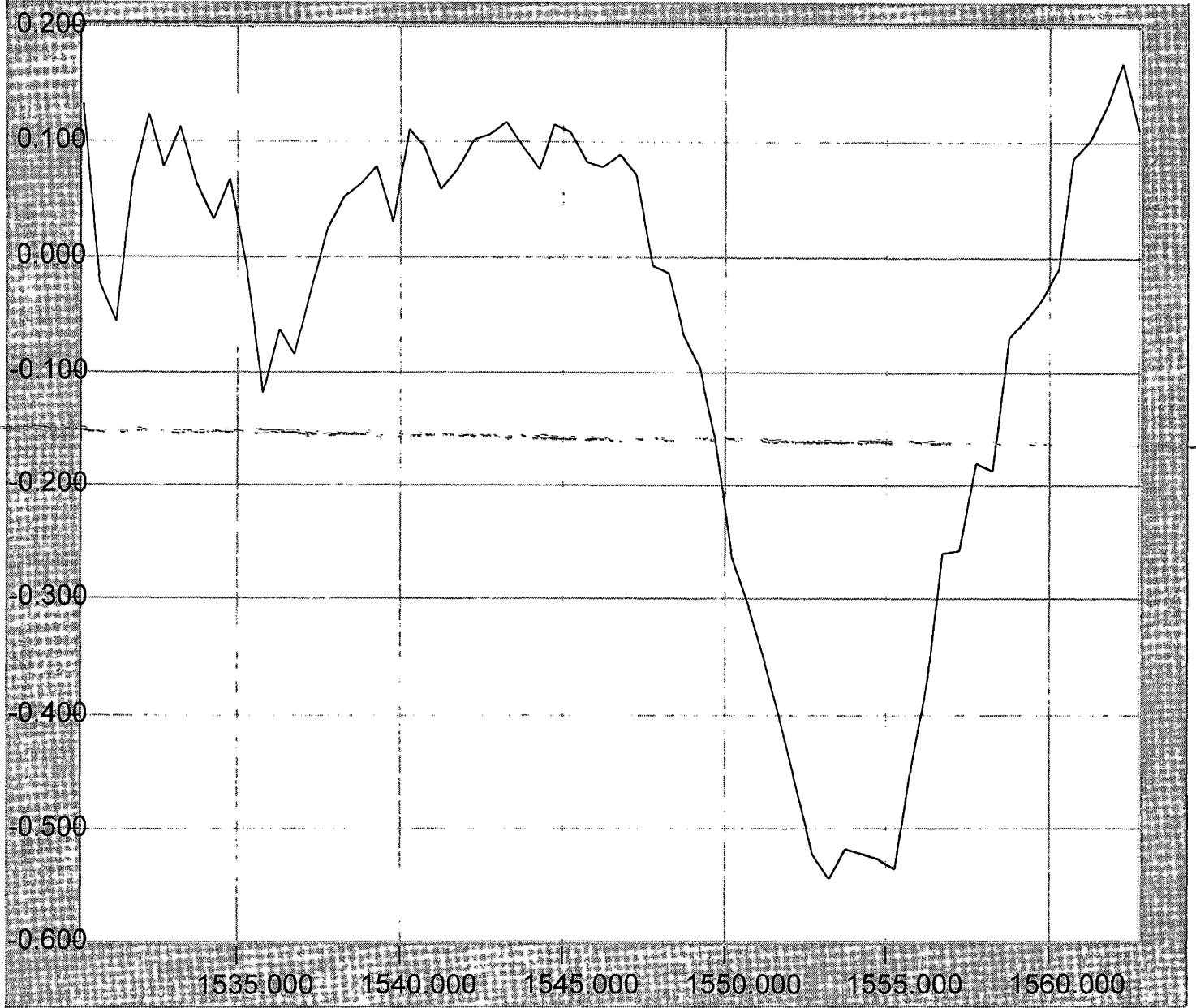
TEL. (510) 528-0427  
 FAX. (510) 528-1519  
<http://www.diconfiberoptics.com>

Filter Channel @BAND(1530 250 ~ 1562 750) at 55 Celsius  
 IL compares with pattern IL you provided



Name	(Start WL ~ Stop WL)	IL@Start WL	IL@Stop WL	Center WL	Min. DIFF	Max. DIFF
<b>BROUT</b>	(1530.250 ~ 1562.750)	1530.250	1562.750	<b>1537.933</b>	<b>1554.250</b>	<b>1532.250</b>
	<b>(-0.347 ~ -5.998)</b>	<b>-2.612</b>	<b>-4.178</b>	<b>-0.426</b>	<b>-0.328</b>	<b>0.305</b>
<b>BAND</b>	(1530.250 ~ 1562.750)	1530.250	1562.750	<b>1538.220</b>	<b>1553.250</b>	<b>1562.250</b>
	<b>(-0.489 ~ -6.227)</b>	<b>-2.666</b>	<b>-4.049</b>	<b>-0.490</b>	<b>-0.545</b>	<b>0.168</b>
<b>BRIN</b>	(1530.250 ~ 1562.750)	1530.250	1562.750	<b>1557.302</b>	<b>1550.250</b>	<b>1558.250</b>
	<b>(10.749 ~ -4.384)</b>	<b>-2.613</b>	<b>10.749</b>	<b>10.724</b>	<b>-0.144</b>	<b>16.650</b>

Filter Channel @BAND(1530 250 ~ 1562 750) at 55 Celsius  
 IL err-function=Target(mean)-Measurement



Name	(Start WL ~ Stop WL)	IL@Start WL	IL@Stop WL	Center WL	Min DIFF	Max DIFF
<b>BR0UT</b>	(1530.250 ~ 1562.750)	1530.250	1562.750	<b>1537.933</b>	<b>1554.250</b>	<b>1532.250</b>
	<b>[-0.347 ~ -5.998]</b>	<b>-2.612</b>	<b>-4.178</b>	<b>-0.426</b>	<b>-0.328</b>	<b>0.305</b>
<b>BAND</b>	(1530.250 ~ 1562.750)	1530.250	1562.750	<b>1538.220</b>	<b>1553.250</b>	<b>1562.250</b>
	<b>[-0.489 ~ -6.227]</b>	<b>-2.666</b>	<b>-4.049</b>	<b>-0.490</b>	<b>-0.545</b>	<b>0.168</b>
<b>BRIN</b>	(1530.250 ~ 1562.750)	1530.250	1562.750	<b>1557.302</b>	<b>1550.250</b>	<b>1558.250</b>
	<b>[10.749 ~ -4.384]</b>	<b>-2.613</b>	<b>10.749</b>	<b>10.724</b>	<b>-0.144</b>	<b>16.650</b>