







Certificate of Test

Korea Photonics Technology Institute 971-35, Wolchul-dong, Buk-gu, Gwangju, Korea (Tel: +82 62 605 9290 Fax: +82 62 605 9297)	Certificate No.: KOPTI-T07-826-834 Page(1) / (2)Pages	 		
<p>1. Client</p> <ul style="list-style-type: none"> ◦ Name : KITANIHON ELECTRIC CABLE Co., Ltd. ◦ Address : 54-1,Aza-Shirasaka, Hasaka, Shibata-Cho, Miyagi, 989-1761 Japan. ◦ Date of Receipt : Dec. 04. 2007. <p>2. Use of Report : Test report / Certification of delivery of products</p> <p>3. Test Sample : 1×32 Optical splitter, 99 units.</p> <p>4. Date of Test : Jan. 17. 2008. ~ May. 14. 2008.</p> <p>5. Test method used : Telcordia GR-1221-Core:1999 (Reliability Test), Telcordia GR-1209-Core:2001 (Criteria: IL (CR), RL (CR))</p> <p>6. Testing Environment</p> <ul style="list-style-type: none"> ◦ Temperature : (23.0 ± 3.0) °C ◦ Relative Humidity : (50 ± 5) % R.H. <p>7. Test Results</p> <p style="padding-left: 20px;">* Refer to The Summary of Reliability Test Results.</p> <p style="font-size: small;">* The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full.</p>				
Affirmation	<table border="1" style="width: 100%; height: 40px;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%; padding: 5px;"> Technical Manager Name : Hae-Ryong Lim  </td> </tr> </table>		Technical Manager Name : Hae-Ryong Lim 	
	Technical Manager Name : Hae-Ryong Lim 			
<p style="text-align: center;">The above test certificate is the accredited test results by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.</p> <p style="text-align: right; margin-right: 100px;">May. 23. 2008</p> <p style="text-align: center;"> Korea Photonics Technology Institute  </p>				

KOPTI-TP-5101-01(05)

K O P T I
K O R E A P H O T O N I C S
T E C H N O L O G Y I N S T I T U T E

시험 결과 (TEST RESULT)






성적서번호 Test No.	KOPTI-T07-826 ~ 834	(2) 쪽 중 (2) 쪽 (2) page of (2) pages
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※ Summary of Reliability Test Results

Certificate No.	Item	Sampling	Wavelength	Performance test	Result
KOPTI-T07-826	Mechanical Shock Test	11 units	1 310 nm 1 550 nm	Insertion Loss, Reflectance	PASS
KOPTI-T07-827	Vibration Test	11 units	1 310 nm, 1 550 nm	Insertion Loss, Reflectance	PASS
KOPTI-T07-828	Thermal Shock Test	11 units	1 310 nm, 1 550 nm	Insertion Loss, Reflectance	PASS
KOPTI-T07-829	Fiber Integrity Test	11 units	1 310 nm, 1 550 nm	Insertion Loss, Reflectance	PASS
KOPTI-T07-830	Cyclic Moisture Test	11 units	1 310 nm, 1 550 nm	Insertion Loss, Reflectance	PASS
KOPTI-T07-831	Low Temperature Test	11 units	1 310 nm, 1 550 nm	Insertion Loss, Reflectance	PASS
KOPTI-T07-832	High Temperature Test	11 units	1 310 nm, 1 550 nm	Insertion Loss, Reflectance	PASS
KOPTI-T07-833	High Temperature Test	11 units	1 310 nm, 1 550 nm	Insertion Loss, Reflectance	PASS
OPTI-T07-834	Damp heat Test	11 units	1 310 nm, 1 550 nm	Insertion Loss, Reflectance	PASS

END.




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Korea Photonics Technology Institute 971-35, Wolchul-dong, Buk-gu, Gwangju, Korea (Tel: +82 62 605 9290 Fax: +82 62 605 9297)	Certificate No.: KOPTI-T07-826 Page(1) / (22)Pages	 										
1. Client <ul style="list-style-type: none"> ◦ Name : KITANIHON ELECTRIC CABLE Co., Ltd. ◦ Address : 54-1, Aza-Shirasaka, Hasaka, Shibata-Cho, Miyagi, 989-1761 Japan. ◦ Date of Receipt : Dec. 4. 2007. 												
2. Use of Report : Test report / Certification of delivery of products												
3. Test Sample : 1×32 Optical splitter, 11 units.												
4. Date of Test : Mar. 27. 2008. ~ Apr. 3. 2008.												
5. Test method used : Telcordia GR-1221-Core:1999 (Mechanical Shock Test), Telcordia GR-1209-Core:2001 (Criteria: IL (CR), RL (CR))												
6. Testing Environment <ul style="list-style-type: none"> ◦ Temperature : (23.0 ± 3.0) °C ◦ Relative Humidity : (50 ± 5) % R.H. 												
7. Test Results <p>※ Refer to Test Results.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 15%;">Item</th> <th style="width: 15%;">Sampling</th> <th style="width: 15%;">Wavelength</th> <th style="width: 40%;">Performance test</th> <th style="width: 15%;">Result</th> </tr> </thead> <tbody> <tr> <td>Mechanical Shock Test</td> <td>11 units</td> <td>1310 nm 1550 nm</td> <td>Insertion Loss, Reflectance</td> <td>PASS</td> </tr> </tbody> </table>			Item	Sampling	Wavelength	Performance test	Result	Mechanical Shock Test	11 units	1310 nm 1550 nm	Insertion Loss, Reflectance	PASS
Item	Sampling	Wavelength	Performance test	Result								
Mechanical Shock Test	11 units	1310 nm 1550 nm	Insertion Loss, Reflectance	PASS								
※ The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full.												
Affirmation	Tested by Name : Heunduk Ku 	Technical Manager Name : Hae-Ryong Lim 										
The above test certificate is the accredited test results by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.												
May. 23. 2008.												
Korea Photonics Technology Institute 												

KOPTI-TP-5101-01(05)

K O P T I




Certificate of Test

Korea Photonics Technology Institute 971-35, Wolchul-dong, Buk-gu, Gwangju, Korea (Tel: +82 62 605 9290 Fax: +82 62 605 9297)	Certificate No.: KOPTI-T07-827 Page(1) / (22)Pages	 										
1. Client <ul style="list-style-type: none"> • Name : KITANIHON ELECTRIC CABLE Co., Ltd. • Address : 54-1, Aza-Shirasaka, Hasaka, Shibata-Cho, Miyagi, 989-1761 Japan. • Date of Receipt : Dec. 4. 2007. 												
2. Use of Report : Test report / Certification of delivery of products												
3. Test Sample : 1×32 Optical splitter, 11 units.												
4. Date of Test : Feb. 28. 2008. ~ Mar. 25. 2008.												
5. Test method used : Telcordia GR-1221-Core:1999 (Vibration Test), Telcordia GR-1209-Core:2001 (Criteria: IL (CR), RL (CR))												
6. Testing Environment <ul style="list-style-type: none"> • Temperature : (23.0 ± 3.0) °C • Relative Humidity : (50 ± 5) % R.H. 												
7. Test Results <p>※ Refer to Test Results.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th style="width: 15%;">Item</th> <th style="width: 15%;">Sampling</th> <th style="width: 20%;">Wavelength</th> <th style="width: 30%;">Performance test</th> <th style="width: 20%;">Result</th> </tr> </thead> <tbody> <tr> <td>Vibration Test</td> <td>11 units</td> <td>1310 nm, 1550 nm</td> <td>Insertion Loss, Reflectance</td> <td>PASS</td> </tr> </tbody> </table> <p>※ The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full.</p>			Item	Sampling	Wavelength	Performance test	Result	Vibration Test	11 units	1310 nm, 1550 nm	Insertion Loss, Reflectance	PASS
Item	Sampling	Wavelength	Performance test	Result								
Vibration Test	11 units	1310 nm, 1550 nm	Insertion Loss, Reflectance	PASS								
Affirmation	Tested by Name : Heunduk Ku (Signature)	Technical Manager Name : Hae-Ryong Lim (Signature)										
The above test certificate is the accredited test results by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.												
May. 23. 2008. 												
Korea Photonics Technology Institute												

KOPTI-TP-5101-01(05)

K O P T I



Certificate of Test

Korea Photonics Technology Institute 971-35, Wolchul-dong, Buk-gu, Gwangju, Korea (Tel: +82 62 605 9290 Fax: +82 62 605 9297)	Certificate No.: KOPTI-T07-828 Page(1) / (22)Pages	 										
1. Client <ul style="list-style-type: none"> • Name : KITANIHON ELECTRIC CABLE Co., Ltd. • Address : 54-1, Aza-Shirasaka, Hasaka, Shibata-Cho, Miyagi, 989-1761 Japan. • Date of Receipt : Dec. 4. 2007. 												
2. Use of Report : Test report / Certification of delivery of products												
3. Test Sample : 1×32 Optical splitter, 11 units.												
4. Date of Test : Apr. 1. 2008. ~ Apr. 4. 2008.												
5. Test method used : Telcordia GR-1221-Core:1999 (Thermal Shock Test), Telcordia GR-1209-Core:2001 (Criteria: IL (CR), RL (CR))												
6. Testing Environment <ul style="list-style-type: none"> • Temperature : (23.0 ± 3.0) °C • Relative Humidity : (50 ± 5) % R.H. 												
7. Test Results <p>※ Refer to Test Results.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">Item</th> <th style="width: 15%;">Sampling</th> <th style="width: 20%;">Wavelength</th> <th style="width: 30%;">Performance test</th> <th style="width: 20%;">Result</th> </tr> </thead> <tbody> <tr> <td>Thermal Shock Test</td> <td>11 units</td> <td>1310 nm, 1550 nm</td> <td>Insertion Loss, Reflectance</td> <td>PASS</td> </tr> </tbody> </table>			Item	Sampling	Wavelength	Performance test	Result	Thermal Shock Test	11 units	1310 nm, 1550 nm	Insertion Loss, Reflectance	PASS
Item	Sampling	Wavelength	Performance test	Result								
Thermal Shock Test	11 units	1310 nm, 1550 nm	Insertion Loss, Reflectance	PASS								
※ The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full.												
Affirmation	Tested by Name : Heunduk Ku (Signature)	Technical Manager Name : Hae-Ryong Lim (Signature)										
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May. 23. 2008.												
Korea Photonics Technology Institute 												

KOPTI-TP-5101-01(05)

K O R E A
L A B O R A T O R Y
A C C R E D I T A T I O N
S C H E M E



Certificate of Test

Korea Photonics Technology Institute 971-35, Wolchul-dong, Buk-gu, Gwangju, Korea (Tel: +82 62 605 9290 Fax: +82 62 605 9297)	Certificate No.: KOPTI-T07-829 Page(1) / (22)Pages	 										
1. Client * Name : KITANIHON ELECTRIC CABLE Co., Ltd. * Address : 54-1, Aza-Shirasaka, Hasaka, Shibata-Cho, Miyagi, 989-1761 Japan. * Date of Receipt : Dec. 4. 2007.												
2. Use of Report : Test report / Certification of delivery of products												
3. Test Sample : 1×32 Optical splitter, 11 units.												
4. Date of Test : Apr. 7. 2008. ~ Apr. 18. 2008.												
5. Test method used : Telcordia GR-1221-Core:1999 (Fiber Integrity Test), Telcordia GR-1209-Core:2001 (Criteria: IL (CR), RL (CR))												
6. Testing Environment * Temperature : (23.0 ± 3.0) ℃ * Relative Humidity : (50 ± 5) % R.H.												
7. Test Results ※ Refer to Test Results.												
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">Item</th> <th style="width: 15%;">Sampling</th> <th style="width: 15%;">Wavelength</th> <th style="width: 45%;">Performance test</th> <th style="width: 10%;">Result</th> </tr> </thead> <tbody> <tr> <td>Fiber Integrity Test</td> <td>11 units</td> <td>1310 nm, 1550 nm</td> <td>Insertion Loss, Reflectance</td> <td>PASS</td> </tr> </tbody> </table>			Item	Sampling	Wavelength	Performance test	Result	Fiber Integrity Test	11 units	1310 nm, 1550 nm	Insertion Loss, Reflectance	PASS
Item	Sampling	Wavelength	Performance test	Result								
Fiber Integrity Test	11 units	1310 nm, 1550 nm	Insertion Loss, Reflectance	PASS								
※ The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full.												
Affirmation	Tested by Name : Heunduk Ku (Signature)	Technical Manager Name : Hae-Ryong Lim (Signature)										
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May. 23. 2008												
Korea Photonics Technology Institute												

KOPTI-TP-5101-01(05)

K O P T I
K O R E A P H O T O N I C S
T E C H N O L O G Y I N S T I T U T E



Certificate of Test

Korea Photonics Technology Institute 971-35, Wolchul-dong, Buk-gu, Gwangju, Korea (Tel: +82 62 605 9290 Fax: +82 62 605 9297)	Certificate No.: KOPTI-T07-830 Page(1) / (22)Pages	 												
1. Client <ul style="list-style-type: none"> ◦ Name : KITANIHON ELECTRIC CABLE Co., Ltd. ◦ Address : 54-1, Aza-Shirasaka, Hasaka, Shibata-Cho, Miyagi, 989-1761 Japan. ◦ Date of Receipt : Dec. 4. 2007. 														
2. Use of Report : Test report / Certification of delivery of products														
3. Test Sample : 1×32 Optical splitter, 11 units.														
4. Date of Test : Feb. 25. 2008. ~ Apr. 16. 2008.														
5. Test method used : Telcordia GR-1221-Core:1999 (Cyclic Moisture Resistance Test) Telcordia GR-1209-Core:2001 (Criteria: IL (CR), RL (CR))														
6. Testing Environment <ul style="list-style-type: none"> ◦ Temperature : (23.0 ± 3.0) °C ◦ Relative Humidity : (50 ± 5) % R.H. 														
7. Test Results														
※ Refer to Test Results.														
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 20%;">Item</th> <th style="width: 15%;">Sampling</th> <th style="width: 20%;">Wavelength</th> <th style="width: 30%;">Performance test</th> <th style="width: 15%;">Result</th> </tr> </thead> <tbody> <tr> <td>Cyclic Moisture Resistance Test</td> <td>11 units</td> <td>1310 nm, 1550 nm</td> <td>Insertion Loss, Reflectance</td> <td>PASS</td> </tr> </tbody> </table>					Item	Sampling	Wavelength	Performance test	Result	Cyclic Moisture Resistance Test	11 units	1310 nm, 1550 nm	Insertion Loss, Reflectance	PASS
Item	Sampling	Wavelength	Performance test	Result										
Cyclic Moisture Resistance Test	11 units	1310 nm, 1550 nm	Insertion Loss, Reflectance	PASS										
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Affirmation	Tested by Name : Heunduk Ku (Signature)	Technical Manager Name : Hae-Ryong Lim (Signature)												
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KOPTI-TP-5101-01(05)

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Certificate of Test

Korea Photonics Technology Institute 971-35, Wolchul-dong, Buk-gu, Gwangju, Korea (Tel: +82 62 605 9290 Fax: +82 62 605 9297)	Certificate No.: KOPTI-T07-831 Page(1) / (46)Pages	 										
1. Client <ul style="list-style-type: none"> ◦ Name : KITANIHON ELECTRIC CABLE Co., Ltd. ◦ Address : 54-1, Aza-Shirasaka, Hasaka, Shibata-Cho, Miyagi, 989-1761 Japan. ◦ Date of Receipt : Dec. 4, 2007. 												
2. Use of Report : Test report / Certification of delivery of products.												
3. Test Sample : 1×32 Optical splitter, 11 units.												
4. Date of Test : Jan. 22, 2008. ~ May. 14, 2008.												
5. Test method used : Telcordia GR-1221-Core:1999 (Low Temp. Storage Test), Telcordia GR-1209-Core:2001 (Criteria: IL (CR), RL (CR))												
6. Testing Environment <ul style="list-style-type: none"> ◦ Temperature : (23.0 ± 3.0) °C ◦ Relative Humidity : (50 ± 5) % R.H. 												
7. Test Results ※ Refer to Test Results .												
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 20%;">Item</th> <th style="width: 15%;">Sampling</th> <th style="width: 20%;">Wavelength</th> <th style="width: 30%;">Performance test</th> <th style="width: 15%;">Result</th> </tr> </thead> <tbody> <tr> <td>Low Temp. Storage Test</td> <td>11 units</td> <td>1310 nm, 1550 nm</td> <td>Insertion Loss, Reflectance</td> <td>PASS</td> </tr> </tbody> </table>			Item	Sampling	Wavelength	Performance test	Result	Low Temp. Storage Test	11 units	1310 nm, 1550 nm	Insertion Loss, Reflectance	PASS
Item	Sampling	Wavelength	Performance test	Result								
Low Temp. Storage Test	11 units	1310 nm, 1550 nm	Insertion Loss, Reflectance	PASS								
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; padding: 5px;">Affirmation</td> <td style="width: 40%; padding: 5px;"> Tested by Name : Heunduk Ku (Signature) </td> <td style="width: 40%; padding: 5px;"> Technical Manager Name : Hae-Ryong Lim (Signature) </td> </tr> </table>			Affirmation	Tested by Name : Heunduk Ku (Signature)	Technical Manager Name : Hae-Ryong Lim (Signature)							
Affirmation	Tested by Name : Heunduk Ku (Signature)	Technical Manager Name : Hae-Ryong Lim (Signature)										
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May. 21, 2008.												
Korea Photonics Technology Institute												

KOPTI-TP-5101-01(05)

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Certificate of Test

Korea Photonics Technology Institute 971-35, Wolchul-dong, Buk-gu, Gwangju, Korea (Tel: +82 62 605 9290 Fax: +82 62 605 9297)	Certificate No.: KOPTI-T07-832 Page(1) / (46)Pages	 											
1. Client <ul style="list-style-type: none"> • Name : KITANIHON ELECTRIC CABLE Co., Ltd. • Address : 54-1, Aza-Shirasaka, Hasaka, Shibata-Cho, Miyagi, 989-1761 Japan. • Date of Receipt : Dec. 4. 2007. 													
2. Use of Report : Test report / Certification of delivery of products.													
3. Test Sample : 1×32 Optical splitter, 11 units.													
4. Date of Test : Jan. 25. 2008. ~ May. 13. 2008.													
5. Test method used : Telcordia GR-1221-Core:1999 (Temp. Cycling Test), Telcordia GR-1209-Core:2001 (Criteria: IL (CR), RL (CR))													
6. Testing Environment <ul style="list-style-type: none"> • Temperature : (23.0 ± 3.0) °C • Relative Humidity : (50 ± 5) % R.H. 													
7. Test Results ※ Refer to Test Results.													
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">Item</th> <th style="width: 15%;">Sampling</th> <th style="width: 20%;">Wavelength</th> <th style="width: 30%;">Performance test</th> <th style="width: 20%;">Result</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Temp. Cycling Test</td> <td rowspan="2">11 units</td> <td>1310 nm,</td> <td rowspan="2">Insertion Loss, Reflectance</td> <td rowspan="2">PASS</td> </tr> <tr> <td>1550 nm</td> </tr> </tbody> </table>			Item	Sampling	Wavelength	Performance test	Result	Temp. Cycling Test	11 units	1310 nm,	Insertion Loss, Reflectance	PASS	1550 nm
Item	Sampling	Wavelength	Performance test	Result									
Temp. Cycling Test	11 units	1310 nm,	Insertion Loss, Reflectance	PASS									
		1550 nm											
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center; vertical-align: middle;">Affirmation</td> <td style="width: 35%; vertical-align: top;"> Tested by Name : Heunduk Ku (Signature) </td> <td style="width: 50%; vertical-align: top;"> Technical Manager Name : Hae-Ryong Lim (Signature) </td> </tr> </table>			Affirmation	Tested by Name : Heunduk Ku (Signature)	Technical Manager Name : Hae-Ryong Lim (Signature)								
Affirmation	Tested by Name : Heunduk Ku (Signature)	Technical Manager Name : Hae-Ryong Lim (Signature)											
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May. 23. 2008.													
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Certificate of Test

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<p>1. Client</p> <ul style="list-style-type: none"> • Name : KITANIHON ELECTRIC CABLE Co., Ltd. • Address : 54-1, Aza-Shirasaka, Hasaka, Shibata-Cho, Miyagi, 989-1761 Japan. • Date of Receipt : Dec. 4. 2007. <p>2. Use of Report : Test report / Certification of delivery of products.</p> <p>3. Test Sample : 1×32 Optical splitter, 11 units.</p> <p>4. Date of Test : Jan. 15. 2008. ~ Apr. 28. 2008.</p> <p>5. Test method used : Telcordia GR-1221-Core:1999 (High Temp. Storage Test), Telcordia GR-1209-Core:2001 (Criteria: IL (CR), RL (CR))</p> <p>6. Testing Environment</p> <ul style="list-style-type: none"> • Temperature : (23.0 ± 3.0) °C • Relative Humidity : (50 ± 5) % R.H. <p>7. Test Results</p> <p>※ Refer to Test Results.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th style="width: 20%;">Item</th> <th style="width: 15%;">Sampling</th> <th style="width: 20%;">Wavelength</th> <th style="width: 30%;">Performance test</th> <th style="width: 15%;">Result</th> </tr> </thead> <tbody> <tr> <td>High Temp. Storage Test</td> <td>11 units</td> <td>1310 nm, 1550 nm</td> <td>Insertion Loss, Reflectance</td> <td>PASS</td> </tr> </tbody> </table> <p>※ The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full.</p>			Item	Sampling	Wavelength	Performance test	Result	High Temp. Storage Test	11 units	1310 nm, 1550 nm	Insertion Loss, Reflectance	PASS
Item	Sampling	Wavelength	Performance test	Result								
High Temp. Storage Test	11 units	1310 nm, 1550 nm	Insertion Loss, Reflectance	PASS								
Affirmation	Tested by Name : Heunduk Ku (Signature)	Technical Manager Name : Hae-Ryong Lim (Signature)										
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1. Client <ul style="list-style-type: none"> • Name : KITANIHON ELECTRIC CABLE Co., Ltd. • Address : 54-1, Aza-shirasaka, Hasaka, Shibata-cho, miyagi 989-1761 Japan. • Date of Receipt : Dec. 4. 2007. 													
2. Use of Report : Test report / Certification of delivery of products													
3. Test Sample : 1×32 Optical splitter, 11 units.													
4. Date of Test : Jan. 18. 2008. ~ Apr. 30. 2008.													
5. Test method used : Telcordia GR-1221-Core:1999 (Damp Heat Test), Telcordia GR-1209-Core:2001 (Criteria: IL (CR), RL (CR))													
6. Testing Environment <ul style="list-style-type: none"> • Temperature : (23.0 ± 3.0) ℃ • Relative Humidity : (50 ± 5) % R.H. 													
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Item	Sampling	Wavelength	Performance test	Result									
Damp heat Test	11 units	1310 nm, 1550 nm	Insertion Loss, Reflectance	PASS									
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Affirmation	Tested by Name : Heunduk Ku (Signature)	Technical Manager Name : Hae-Ryong Lim (Signature)											
The above test certificate is the accredited test results by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.													
May. 23. 2008													
Korea Photonics Technology Institute													

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