

ROADM WSS Component: Market Research Report

<https://marketpublishers.com/r/RBBBDE2EE91EN.html>

Date: January 2015

Pages: 145

Price: US\$ 4,500.00 (Single User License)

ID: RBBBDE2EE91EN

Abstracts

This report analyzes the worldwide markets for ROADM WSS Component in US\$ Thousand and Units. The Global market is further analyzed by the following Product Segments: 100GHz (1x4 or less, 1x5 or more), and 50GHz (1x4 or less, 1x5 or more). The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World. Annual estimates and forecasts are provided for the period 2014 through 2020. Also, a seven-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 24 companies including many key and niche players such as -

Capella Photonics

CoAdna Photonics Inc.

Finisar Corporation

Fujitsu Limited

HUBER+SUHNER Cube Optics AG

Contents

I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

Study Reliability and Reporting Limitations

Disclaimers

Data Interpretation & Reporting Level

Quantitative Techniques & Analytics

Product Definitions and Scope of Study

II. EXECUTIVE SUMMARY

1. INDUSTRY OVERVIEW

Packet-Optical Transport Systems – An Overview

Table 1. World Market for Optical Components (2015): Percentage Value Breakdown for Components, Transceiver & Transponder Modules, and ROADMs WSS Modules (includes corresponding Graph/Chart)

Table 2. World Market for Optical Transceivers (2012 & 2015): Percentage Value Breakdown of Data Transmission Rate for 10G, 40G and 100G (includes corresponding Graph/Chart)

Table 3. World Market for Optical Transceivers by Application (2013): Percentage Breakdown for CATV, LAN, SAN, Metro, Telecom, ROADMs, and Others (includes corresponding Graph/Chart)

Factors Promoting Network Upgrade

Increasing Proliferation of Mobile Technology

Expanding Cloud Services

The Rise of Machine to Machine Applications

Internet of Things: The Technology Platform Spurring Rise in Connectivity

Developing Nations: Hotspots for Growth

Opportunity Indicators

Table 4. World Market for Mobile Phones by Geographic Region (2013): Percentage

Share Breakdown of Volume Sales by Region/Country (includes corresponding Graph/Chart)

Table 5. World Mobile Communications Market (2014): Percentage Share Breakdown of Mobile-Cellular Subscriptions for Developed & Developing Markets (includes corresponding Graph/Chart)

Competitive Landscape in the WSS Component Market

Table 6. Leading Players in the World Market for Wavelength Selective Switches (WSS) Component (2013): Percentage Value Breakdown for CoAdna, Finisar, JDSU, and Others (includes corresponding Graph/Chart)

Outlook

2. MARKET TRENDS, DRIVERS & CHALLENGES

Rise in Global IP Traffic Entails Network Upgrade – Offers Growth Prospects for ROADM WSS Components

Table 7. World IP Traffic for Years 2014-2020 (EB/Month) (includes corresponding Graph/Chart)

Entertainment Services and Enterprise Mobility Contribute to High Growth in Data Traffic

Table 8. Global Mobile Data Traffic Growth (2015, 2017, and 2019) - Breakdown of Data Consumption Volumes in Exabytes per Month by Application Type (includes corresponding Graph/Chart)

Table 9. World Workforce Population by Nature of Work (2014): Percentage Breakdown of Mobile, and Non-Mobile Employees (includes corresponding Graph/Chart)

Mobile Data Services Grow in Prominence - Add to Network Traffic

Table 10. Global Mobile Communications Market: Data Subscriptions as a Percentage of the Overall Mobile Subscriptions for Years 2010 through 2014 (includes corresponding Graph/Chart)

Table 11. Global Mobile Communications Market (2013 & 2017): Percentage Share Breakdown of Revenue by Service type - Voice and Data (includes corresponding Graph/Chart)

Mobile Internet Spawns Incredible Data Usage

Table 12. Mobile Phone Internet Penetration Worldwide (2013 & 2017): Mobile Phone Internet Users as Percentage of Total Mobile Users (includes corresponding Graph/Chart)

High-Speed Networks Emerge to Support Growing Use of Internet Based Data Services

Table 13. Average Mobile Data Consumption of Android Powered Smartphone Users in Japan, South Korea & US (2014) - Breakdown of Mobile Data Volume Consumed by Technologies 3G & 4G across Cellular & WiFi Networks in Megabytes per Month (includes corresponding Graph/Chart)

Cloud Computing Via Mobile Devices Drives Demand for Advanced Network Technologies and Higher Bandwidth

The Need for High Bandwidth Offers Prospects for ROADM and WSS Components
Robust Growth for ROADM Suggests Opportunities for ROADM WSS Components

Table 14. World Market for ROADM (Reconfigurable Optical Add-Drop Multiplexers) by Geographic Region/Country (2015): Breakdown of Annual Revenues in US\$ Million for US, Canada, Japan, Europe, Asia-Pacific (Excluding Japan), Latin America and Rest of World Markets (includes corresponding Graph/Chart)

Wavelength-Selective Switching (WSS) Component: A Key Enabler of ROADM Innovations to Spearhead Growth

Advances in Line Cards to Reduce CAPEX and OPEX

Liquid Crystal on Silicon...One Step Ahead of MEMs

Rising Preference for Router Bypass Technology Promotes Prospects for ROADM – A

Business Case for ROADM WSS Component
WSS Components Record Increasing Adoption in ROADM
Wider Adoption of 40/100G Networks to Propel Global Demand for ROADM WSS Components

3. PRODUCT OVERVIEW

Introduction
Definition
Key Features
Advantages
Wavelength Selective Switches (WSS)
WSS-based ROADM Architectures
Colorless/Color Independent ROADM Architecture
Colorless and Directionless (CD) ROADM Architecture
Colorless, Directionless, and Contentionless (CD/C) ROADM Architecture

4. PRODUCT INTRODUCTIONS

CoAdna Unveils Compact WSS
Finisar Introduces Low Profile WSS
CoAdna Unveils CWDM WSS for Datacenters
CoAdna Photonics Launches Twin 1xN WSS Series for Coherent Metro Networks

5. RECENT INDUSTRY ACTIVITY

Finisar Takes Over LightSymth
Koch Signs Deal to Take Over Oplink
Fujikura, NTT Electronics, and Nistica Sign Deal
Nistica and Cyan Agree to Jointly Develop High Capacity Linecards
Finisar Establishes Manufacturing Facility in China

6. FOCUS ON SELECT PLAYERS

Capella Photonics (US)
CoAdna Photonics Inc. (US)
Finisar Corporation (US)
Fujitsu Limited (Japan)
HUBER+SUHNER Cube Optics AG (Germany)

JDS Uniphase Corp. (US)
MRV Communications Inc. (US)
Nistica (US)

7. GLOBAL MARKET PERSPECTIVE

Value Market in US\$ Thousands

Table 15. World Recent Past, Current & Future Analysis for ROADM WSS Component by Geographic Region/Country - US, Canada, Japan, Europe, Asia-Pacific (Excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Revenues in US\$ Thousands for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 16. World Historic Review for ROADM WSS Component by Geographic Region/Country - US, Canada, Japan, Europe, Asia-Pacific (Excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Revenues in US\$ Thousands for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 17. World 14-Year Perspective for ROADM WSS Component by Geographic Region/Country - Percentage Breakdown of Dollar Revenues for US, Canada, Japan, Europe, Asia-Pacific (Excluding Japan), Latin America and Rest of World Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 18. World Recent Past, Current & Future Analysis for ROADM WSS Component by Category - 100GHz (1x4 or less, and 1x5 or more) and 50GHz (1x4 or less, and 1x5 or more) Component Markets Independently Analyzed with Annual Revenues in US\$ Thousands for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 19. World Historic Review for ROADM WSS Component by Category - 100GHz (1x4 or less, and 1x5 or more) and 50GHz (1x4 or less, and 1x5 or more) Component Markets Independently Analyzed with Annual Revenues in US\$ Thousands for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 20. World 14-Year Perspective for ROADM WSS Component by Category - Percentage Breakdown of Dollar Revenues for 100GHz (1x4 or less, and 1x5 or more) and 50GHz (1x4 or less, and 1x5 or more) Component Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Volume Market in Units

Table 21. World Recent Past, Current & Future Analysis for ROADM WSS Component by Geographic Region/Country - US, Canada, Japan, Europe, Asia-Pacific (Excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales in Units for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 22. World Historic Review for ROADM WSS Component by Geographic Region/Country - US, Canada, Japan, Europe, Asia-Pacific (Excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales in Units for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 23. World 14-Year Perspective for ROADM WSS Component by Geographic Region/Country - Percentage Breakdown of Unit Sales for US, Canada, Japan, Europe, Asia-Pacific (Excluding Japan), Latin America and Rest of World Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 24. World Recent Past, Current & Future Analysis for ROADM WSS Component by Category - 100GHz (1x4 or less, and 1x5 or more) and 50GHz (1x4 or less, and 1x5 or more) Component Markets Independently Analyzed with Annual Sales in Units for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 25. World Historic Review for ROADM WSS Component by Category - 100GHz (1x4 or less, and 1x5 or more) and 50GHz (1x4 or less, and 1x5 or more) Component Markets Independently Analyzed with Annual Sales in Units for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 26. World 14-Year Perspective for ROADM WSS Component by Category - Percentage Breakdown of Unit Sales for 100GHz (1x4 or less, and 1x5 or more) and 50GHz (1x4 or less, and 1x5 or more) Component Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

III. MARKET

1. THE UNITED STATES

A. Market Analysis

Outlook

Continued Rise in Mobile Data Traffic Entails the Need for Advanced Network Technologies

Table 27. North American Mobile Communications Market (2014): Percentage Share Breakdown of Mobile Connection by Network Technology (includes corresponding Graph/Chart)

Strategic Corporate Developments

Product Launches

Key Players

B. Market Analytics

Table 28. US Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 29. US Historic Review for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 30. US Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 31. US Historic Review for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2007 through 2013 (includes corresponding Graph/Chart)

2. CANADA

Market Analysis

Table 32. Canadian Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 33. Canadian Historic Review for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 34. Canadian Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 35. Canadian Historic Review for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2007 through 2013 (includes corresponding Graph/Chart)

3. JAPAN

A. Market Analysis

Outlook

Corporate Development

Fujitsu Limited – A Key Player

B. Market Analytics

Table 36. Japanese Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 37. Japanese Historic Review for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 38. Japanese Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 39. Japanese Historic Review for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2007 through 2013 (includes corresponding Graph/Chart)

4. EUROPE

A. Market Analysis

Outlook

Mobile Data Traffic Spikes – To Drive Continued Investments in Advanced Networks

Table 40. Mobile Internet Users as a % of Total Mobile Owners in Western Europe (2014-2018) (includes corresponding Graph/Chart)

EU's Plan to Upgrade Mobile Internet Offers Prospects

B. Market Analytics

Table 41. European Recent Past, Current & Future Analysis for ROADM WSS Component by Geographic Region/Country - France, Germany, Italy, UK, Spain, and Rest of Europe Markets Independently Analyzed with Annual Revenues in US\$ Thousands for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 42. European Historic Review for ROADM WSS Component by Geographic Region/Country - France, Germany, Italy, UK, Spain, and Rest of Europe Markets Independently Analyzed with Annual Revenues in US\$ Thousands for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 43. European 14-Year Perspective for ROADM WSS Component by Geographic Region/Country - Percentage Breakdown of Dollar Revenues for France, Germany, Italy, UK, Spain, and Rest of Europe Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 44. European Recent Past, Current & Future Analysis for ROADM WSS Component by Geographic Region/Country - France, Germany, Italy, UK, Spain, and Rest of Europe Markets Independently Analyzed with Annual Sales in Units for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 45. European Historic Review for ROADM WSS Component by Geographic Region/Country - France, Germany, Italy, UK, Spain, and Rest of Europe Markets Independently Analyzed with Annual Sales in Units for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 46. European 14-Year Perspective for ROADM WSS Component by Geographic Region/Country - Percentage Breakdown of Unit Sales for France, Germany, Italy, UK,

Spain, and Rest of Europe Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

4A. FRANCE

A. Market Analysis

Product Launch

B. Market Analytics

Table 47. French Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 48. French Historic Review for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 49. French Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 50. French Historic Review for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2007 through 2013 (includes corresponding Graph/Chart)

4B. GERMANY

A. Market Analysis

HUBER+SUHNER Cube Optics AG – A Key Player

B. Market Analytics

Table 51. German Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 52. German Historic Review for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2007 through 2013 (includes

corresponding Graph/Chart)

Table 53. German Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 54. German Historic Review for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2007 through 2013 (includes corresponding Graph/Chart)

4C. ITALY

Market Analysis

Table 55. Italian Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 56. Italian Historic Review for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 57. Italian Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 58. Italian Historic Review for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2007 through 2013 (includes corresponding Graph/Chart)

4D. THE UNITED KINGDOM

A. Market Analysis

Outlook

Continued Rise in Mobile Data Traffic - Business Case for Advanced Networks

B. Market Analytics

Table 59. UK Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 60. UK Historic Review for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 61. UK Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 62. UK Historic Review for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2007 through 2013 (includes corresponding Graph/Chart)

4E. SPAIN

Market Analysis

Table 63. Spanish Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 64. Spanish Historic Review for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 65. Spanish Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 66. Spanish Historic Review for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2007 through 2013 (includes corresponding Graph/Chart)

4F. REST OF EUROPE

Market Analysis

Table 67. Rest of Europe Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 68. Rest of Europe Historic Review for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 69. Rest of Europe Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 70. Rest of Europe Historic Review for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2007 through 2013 (includes corresponding Graph/Chart)

5. ASIA-PACIFIC

A. Market Analysis

Outlook

Anticipated Gains in Mobile Broadband Services to Spur the Need for Advanced Networks

B. Market Analytics

Table 71. Asia-Pacific Recent Past, Current & Future Analysis for ROADM WSS Component by Geographic Region/Country - China, and Rest of Asia-Pacific Markets Independently Analyzed with Annual Revenues in US\$ Thousands for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 72. Asia-Pacific Historic Review for ROADM WSS Component by Geographic Region/Country - China, and Rest of Asia-Pacific Markets Independently Analyzed with Annual Revenues in US\$ Thousands for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 73. Asia-Pacific 14-Year Perspective for ROADM WSS Component by

Geographic Region/Country - Percentage Breakdown of Dollar Revenues for China, and Rest of Asia-Pacific Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 74. Asia-Pacific Recent Past, Current & Future Analysis for ROADM WSS Component by Geographic Region/Country - China, and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales in Units for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 75. Asia-Pacific Historic Review for ROADM WSS Component by Geographic Region/Country - China, and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales in Units for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 76. Asia-Pacific 14-Year Perspective for ROADM WSS Component by Geographic Region/Country - Percentage Breakdown of Unit Sales for China, and Rest of Asia-Pacific Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

5A. CHINA

- A. Market Analysis
- Corporate Development
- B. Market Analytics

Table 77. Chinese Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 78. Chinese Historic Review for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 79. Chinese Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 80. Chinese Historic Review for ROADM WSS Component Market Analyzed with

Annual Sales in Units for Years 2007 through 2013 (includes corresponding Graph/Chart)

5B. REST OF ASIA-PACIFIC

A. Market Analysis

Outlook

India - Growing Prominence for Data Services Augurs Well for Advanced Network Technologies

B. Market Analytics

Table 81. Rest of Asia-Pacific Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 82. Rest of Asia-Pacific Historic Review for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 83. Rest of Asia-Pacific Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 84. Rest of Asia-Pacific Historic Review for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2007 through 2013 (includes corresponding Graph/Chart)

6. LATIN AMERICA

Market Analysis

Table 85. Latin American Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 86. Latin American Historic Review for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2007 through 2013

(includes corresponding Graph/Chart)

Table 87. Latin American Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 88. Latin American Historic Review for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2007 through 2013 (includes corresponding Graph/Chart)

7. REST OF WORLD

Market Analysis

Table 89. Rest of World Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 90. Rest of World Historic Review for ROADM WSS Component Market Analyzed with Annual Revenues in US\$ Thousands for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 91. Rest of World Recent Past, Current & Future Analysis for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 92. Rest of World Historic Review for ROADM WSS Component Market Analyzed with Annual Sales in Units for Years 2007 through 2013 (includes corresponding Graph/Chart)

IV. COMPETITIVE LANDSCAPE

Total Companies Profiled: 24 (including Divisions/Subsidiaries - 25)

The United States (15)

Canada (1)

Japan (4)

Europe (2)

France (1)

Germany (1)
Asia-Pacific (Excluding Japan) (3)

I would like to order

Product name: ROADM WSS Component: Market Research Report

Product link: <https://marketpublishers.com/r/RBBBDE2EE91EN.html>

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/RBBBDE2EE91EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970