



COMMODITIES:

QTY	DESCRIPTION	ECCN	PRICE
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34	MODEL: JANSR2N7616UB, IRHLUB770Z4SCS -	9A004	
RADIATION HARDENED MOSFETS			

33	MODEL: JANSR2N7626UB, IRHLUB7970Z4SCS -	9A004	
RADIATION HARDENED MOSFETS			

TOTAL:

THE EXPORT ADMINISTRATION REGULATIONS REQUIRE YOU TO TAKE THE FOLLOWING ACTIONS WHEN EXPORTING UNDER THE AUTHORITY OF THIS LICENSE.

A. RECORD THE EXPORT COMMODITY CONTROL NUMBER IN THE BLOCK

D509050

VALIDATED: MAY 09 2013

EXPIRES: MAY 31 2015

PROVIDED IN THE AUTOMATED EXPORT SYSTEM (AES)

B. RECORD YOUR VALIDATED LICENSE NUMBER IN THE BLOCK

PROVIDED IN AES

C. PLACE A DESTINATION CONTROL STATEMENT ON ALL BILLS OF LADING, AIRWAY BILLS, AND COMMERCIAL INVOICES.

RIDERS AND CONDITIONS:

1. FOR STATED END USE ONLY. 2. NO RESALE, TRANSFER OR RE-EXPORT WITHOUT PRIOR U.S. GOVERNMENT APPROVAL. 3. THE END USERS/ULTIMATE CONSIGNEES MUST NOTIFY THE APPLICANT IMMEDIATELY OF ANY ITEM LOST (INCLUDING EXPORTED COMPONENTS AND/OR SUBASSEMBLIES CONTAINING EXPORTED COMPONENTS) AND WHAT ACTIONS WERE TAKEN TO RECOVER THE ITEM. THE APPLICANT MUST NOTIFY BIS OF THE LOSS WITHIN 15 DAYS OF NOTIFICATION BY THE END USER. SEND LOSS/THEFT REPORTS TO THE DEPARTMENT OF COMMERCE, OFFICE OF EXPORT ENFORCEMENT, BUREAU OF INDUSTRY AND SECURITY, US DEPARTMENT OF COMMERCE, 14TH STREET AND CONSTITUTION AVENUE, NW, ROOM H-4520, WASHINGTON, D.C. 20230, TEL. (202) 482-1208, FACSIMILE (202) 482-0964 WITHIN 15 DAYS. 4. THE PARTIES TO THIS LICENSE THAT WILL INSTALL/INCORPORATE THE LOOSE EXPORTED COMPONENTS MUST MAINTAIN RECORDS OF ALL COMPONENTS SHIPPED



UNDER THIS LICENSE TO INCLUDE LICENSE NUMBER, PART NUMBER, SERIAL NUMBER, QUANTITY, DATE OF INSTALLATION INTO THE NEXT HIGHER ASSEMBLY, PART NAME, PART NUMBER AND SERIAL NUMBER OF NEXT HIGHER ASSEMBLY, AND NUMBER OF RETURNED, DAMAGED OR DESTROYED PARTS. THESE RECORDS SHALL BE MADE AVAILABLE TO THE US GOVERNMENT UPON REQUEST. 5. ALL PARTIES TO THIS LICENSE MUST BE INFORMED OF ALL LICENSE CONDITIONS.

2. OBLIGATIONS FOR USE OF STA: PRIOR CONSIGNEE STATEMENT: OBTAIN A COPY OF YOUR CONSIGNEE'S ACKNOWLEDGMENT STATEMENT THAT WOULD COVER THIS EXPORT TRANSACTION WHICH INCLUDES THE FIVE ITEMS LISTED IN CFR 740.20(D)(2) I-V. FOR 600 SERIES TRANSACTIONS, PARAGRAPHS (VI) AND (VII) ARE ALSO REQUIRED

NOTIFICATION TO CONSIGNEE OF STA SHIPMENT: PRIOR TO EXPORT, SEND A WRITTEN NOTICE TO YOUR CONSIGNEE NOTIFYING THEM OF THE ITEM(S) THAT WILL BE EXPORTED UNDER LICENSE EXCEPTION STA. THE WRITTEN NOTICE MAY BE CONVEYED BY PAPER DOCUMENTS OR BY ELECTRONIC METHODS SUCH AS FACSIMILE OR EMAIL.

IF YOU ARE INTERESTED, WE DO HAVE AN INTERACTIVE TRAINING TOOL ON USING STA ON OUR BIS WEB SITE: [HTTP://BETA-WWW.BIS.DOC.GOV/INDEX.PHP/INTERACTIVE-STA-COMPLIANC-E-TOOL](http://beta-www.bis.doc.gov/index.php/interactive-sta-compliance-e-tool)



EXPORT LICENSE
U.S. DEPARTMENT OF COMMERCE
INDUSTRY AND SECURITY

D509050

VALIDATED: MAY 09 2013
EXPIRES: MAY 31 2015

THIS LICENSE AUTHORIZES THE LICENSEE TO CARRY OUT THE EXPORT TRANSACTION DESCRIBED ON THE LICENSE (INCLUDING ALL ATTACHMENTS). IT MAY NOT BE TRANSFERRED WITHOUT PRIOR WRITTEN APPROVAL OF THE OFFICE OF EXPORT LICENSING. THIS LICENSE HAS BEEN GRANTED IN RELIANCE ON REPRESENTATIONS MADE BY THE LICENSEE AND OTHERS IN CONNECTION WITH THE APPLICATION FOR EXPORT AND IS EXPRESSLY SUBJECT TO ANY CONDITIONS STATED ON THE LICENSE, AS WELL AS ALL APPLICABLE EXPORT CONTROL LAWS, REGULATIONS, RULES, AND ORDERS. THIS LICENSE IS SUBJECT TO REVISION, SUSPENSION, OR REVOCATION WITHOUT PRIOR NOTICE.

APPLICANT REFERENCE NUMBER: BXA2187

INTERNATIONAL RECTIFIER CORP
C/O INTERNATIONAL RECTIFIER
205 CRAWFORD STREET
LEOMINSTER, MA 01453
PURCHASER:
ALTER TECHNOLOGY TUV NORD S.A.U.
C/ TOMAS ALBA EDISON 4
PCT CARTUJA 93
SEVILLA, SPAIN

ULTIMATE CONSIGNEE:
EUROPEAN SPACE AGENCY
8-10 RUE MARIO NIKIS
CEDEX 15
PARIS, FRANCE
APPROVED END USER(S):
INSTITUT FÜR EXPERIMENTELLE
UND ANGEWANDTE PHYSIK
LEAP/ ET CAU, LEIBNIZSTRASSE 19
KIEL, GERMANY, FEDERAL REP

RUG SPACE AB
SOLHUSGATAN 11
GÖTEBORG, SWEDEN
HIMAC - NATIONAL INSTITUTE OF
RADIOLOGICAL SCIENCES (NIRS)
4-9-1 ANAGAWA, INAGE WARD
CHIBA, JAPAN
KAYSER-THREDE GMBH
WOLFFSTASSTHAUSER STRASSE 48
MÜNICH, GERMANY, FEDERAL REP



PHYSIKALISCH-TECHNISCHE
BUNDESANSTALT (PTB)
BUNDESALLEE 100
BRAUNSCHWEIG, GERMANY, FEDERAL REP
ZARM FALTLTUM-BETRIEBSGESSELLSCHAFT
C/O UNIVERSITAT BREMEN
AM FALTLTUM
BREMEN, GERMANY, FEDERAL REP
IBERESPACIO
MAGALIANES, 3
4A PLANTA
MADRID, SPAIN

D509050
VALIDATED: MAY 09 2013
EXPIRES: MAY 31 2015

UNIVERSIDAD DE ALCALA
CTRA. MADRID-BARCELONA
ALCALA DE HENARES, SPAIN
ESTEC
KEPLERLAAN 1
NOORDWIJK, NETHERLANDS
ASTRUM UK
GUNNELS WOOD ROAD
STEVENAGE
HERTFORDSHIRE, UNITED KINGDOM

CENTRE SPATIAL GYANAIS
ROUTE NATIONALE 1
KOUROU, FRENCH GUIANA, FRANCE
EUROPEAN SPACE AGENCY
KEPLERLAAN 1
NOORDWIJK, NETHERLANDS

UPS
PARCELA B4
POLIGNO SAN NICOLAS
ALCALA DE GUADAIRA, SPAIN
TNT
AVDA. DE BRUSELAS, 6
ALCOBENDAS
MADRID, SPAIN

FEDEX
CENTRO DE CARGA AEREA
MADRID, SPAIN
DHL
C/ RUMANIA 4
COSLADA
MADRID, SPAIN

TRANSNATUR
C/ LUXEMBURGO 1
CENTRO DE TRANSPORTES
COSLADA, MADRID, SPAIN