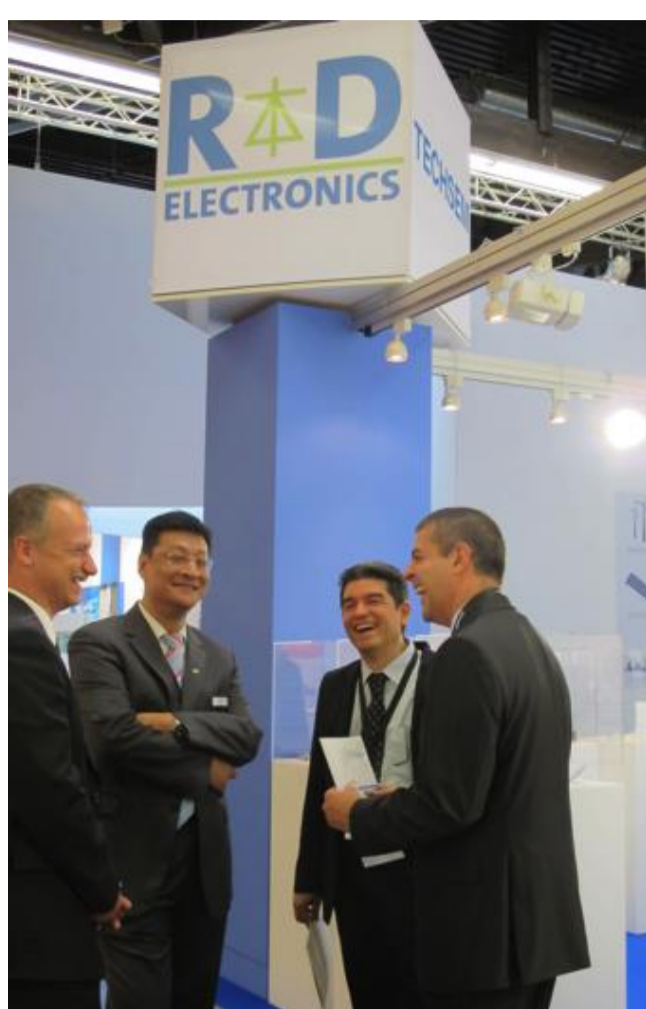


R&D Electronics Newsletter (2015 Issue 5)

Welcome to our 5th issue of newsletters in 2015!

R&D Electronics is the **exclusive Sales-Channel of TECHSEM**, which is a well-known Chinese developer and manufacturer of **diode / thyristor modules and capsules** with more than 48 years experience.



First we would like to pass on our warm thanks here for the numerous visits and for the interest and trust you showed at the PCIM 2015 in Nuremberg Germany.

In addition, we are pleased to inform you that TECHSEM is now certified with the International Railway Industry Standard (IRIS). Detailed information is available in this issue.

Lastly some special features of TECHSEM and of her products will be presented.

All of our newsletters have been achieved in our online shop. For more information please visit: www.rd-ebusiness.com

Yours faithfully

R&D Electronics Team

TECHSEM is now certified with IRIS



C E R T I F I C A T E

awarded to

HUBEI TECH SEMICONDUCTORS CO.,LTD
No.162 Shengli Street,Xiangcheng District,
441021, Xiangyang City,Hubei Province,
China

AFNOR Certification

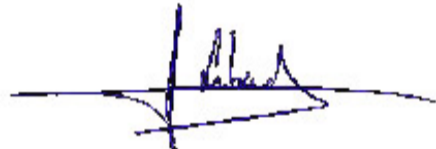
confirms, as an IRIS approved certification body, that the Management System of the above organization has been assessed and found to be in accordance with the

International Railway Industry Standard (IRIS) **Revision 02, June 2009**

for the activities of Design and Development and Manufacturing
for the scopes of certification: 6 (Auxiliary systems), 20 (Single railway components)
FOR THE PRODUCTS OF THYRISTORS & DIODES SERIES, POWER SEMICONDUCTOR ASSEMBLIES FOR RAILWAY VEHICLES.

Certificate valid from: 21/04/2015

Certificate valid until: 03/02/2018*



Current date: 24/04/2015
Certificate-Register-No: 2015/66871.1

* Providing that the subsequent surveillance audits are successful before the validity date of the previous audit. This certificate is based on an audit conducted by EAQA/BestCERT (China) Ltd., (CNCA-RF-2002-13 granted by CNCA). Certification body address: 11 rue Francis de Pressensé, 93571 LA PLAINE SAINT-DENIS CEDEX, France

From now on TECHSEM is one of the 1000 companies of the world with IRIS certificate. IRIS is based on the requirements of ISO 9001 and incorporates additional railway-specific requirements. Revision 02 of the standard now integrates the maturity approach of ISO 9004. The standard aims to provide more quality and safety while at the same time lowering costs and complexity. The TECHSEM certificate can be downloaded in our online-shop www.rd-ebusiness.com.

Special Features of TECHSEM

- 48 years of experience in development / production of power electronics components
- Publicly listed, market leader in the field of power semiconductors in China
- Ability to produce own wafer and chips
- IRIS (Revision 02), ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007 certified
- Excellent development know-how with more than 130 engineers and 30 patents
- Qualified supplier for China Space Industry and China High-speed Railway

Special Features of TECHSEM Products

- Product portfolio covers from chips to power assemblies
- More than 5000 products with various silicon chips and different current and voltage classes
- CE, UL and European RoHS certified
- Single power module up to 3600V/1200A, single capsule device up to 7200V/8000A
- Pressure contact technology also for small current power modules
- Product reliability test up to 20,000 power cycles
- Products with special configurations like common-anode or common-cathode modules
- Products for special application (e.g. pulse thyristor with di/dt = 5kA/μs)
- Products according to customer special requirements (e.g. selection for parallel circuits)
- Extra epoxy layer in the power modules for better humidity protection
- 100% additional function test shortly before shipment

Free Samples

You want to test our products? No problem. We provide now for certain types of products with limited quantities as free samples at your disposal. For the available products, you only need to pay for the shipping costs from Hong Kong to your delivery address. Do not hesitate to register as customer in our shop and contact us for free samples of your choice: www.rd-ebusiness.com.