

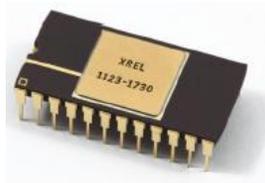
Other High Temp Parts on Protec GmbH Linecard:

- ARM M0 Processor
- SRAM 18Mb
- Flash Memory up to 1Gb
- OpAmps
- Analog Switch
- Multiplexer
- 8-bit Micro Controller
- Oscillators
- EEPROM
- FPGAs
- A/D Converter
- ASICS
- Magnetics / Transformers
- CAN Transceiver
- RS-422/485 Transceivers
- SiC Components
- Transistor Arrays
- Supervisory
- Real Time Clock
- Switch mode Controller
- Line Drivers and Receivers
- Analog Engine



Protec GmbH cooperation with X-Rel

Spin-off of EASii IC commercializing high-reliability products for extreme environmental conditions for up to 230°C. Based on solid technical and industrial background of EASii IC. Team of 15 people with 11-year average experience. Proven track record of expertise in the industrialization of ICs for Hi-Rel, Hi-Temp applications.



Oil / Gas and Geothermal industries have their biggest challenges upfront. The worldwide increasing demand for energy and the greater than ever need to respect the environment are pushing the drilling techniques towards always more complexity. The need for equipment sensing and more accurate measuring when drilling is bigger and bigger. Reliability is of extreme importance for well-drilling tools which operate in harsh environments. X-REL offers high-reliability devices matching high-temperature, high pressure specifications during the down hole work. X-REL products fulfill also the highest stability constraints expectations. If you operate in Oil & Gas or Geothermal industry X-REL can help you to overcome your technical challenges with our know-how and expertise in High-Temperature ICs. We design extremely reliable products and deliver the highest quality customer support.

POWER MANAGEMENT

- XTR30010 : PWM controller
- XTR20410 : 40V HS/LS NMOS with driver (x2)
- XTR20810 : 80V LS NMOS with driver (x2)
- XTR25010 : Power driver
- XTR25410 : MOSFET driver
- XTR26010 : Intelligent isolated driver
- XTR431 : Shunt voltage regulator
- XTR70010 : Low-voltage ULDO regulator
- XTR75010 : Low-power linear regulator

SIGNAL CONDITIONNING

- XTR75020 : Precision reference

CLOCK GENERATION & TIMING

- XTR60010 : XTAL driver
- XTR650 : Precision Timer

DISCRETES

- XTR2N0400 : 40V NMOS transistors (x3)
- XTR2N0800 : 80V NMOS transistors (x3)
- XTR2N0300 : 30V PMOS transistors (x3)
- XTR2N0500 : 50V PMOS transistors (x3)
- XTR1N0400 : 40V diodes (x2)
- XTR1N0800 : 80V diodes (x2)
- XTR1K1200 : 1200V SiC Diodes

DIGITAL & LOGIC

- XTR50010 : Bidirectional level translators
- XTR54000 : Reconfigurable logic gates
- XTR54170 : D flip-flops

TRANSCEIVERS

- XTR40010 : Isolated Transceivers