

Resistors for the highest performance  
and voltage requirements.

## RESISTORS BY ETRONICS

etronics – EBG's Swiss distribution  
partner for 35 years.



A Miba Group Company



## Five good reason for resistors by etronics.



### WE CAN SOLVE EVERY RESISTOR PROBLEM FOR YOU.

EBG resistors are manufactured according to customer specifications and can be adapted perfectly to your requirements. We also have solutions with various coatings for special requirements such as SF6 pottings.



### NON-INDUCTIVE DESIGN.

The non-inductive design of EBG resistors prevents the generation of excessively high frequencies even when there is a power cut or power peak. Both particularly suitable for high-frequency applications.



### EXCEPTIONAL QUALITY.

EBG resistors have a low and reliable temperature and voltage coefficient, a high degree of stability, very close tolerances and withstand high temperatures.



### BUNDLING OF VARIOUS TECHNOLOGIES.

More and more customer would like integrated resistor and cooling solutions. As EBG and DAU are part of the Miba Group, we can readily provide such solutions.

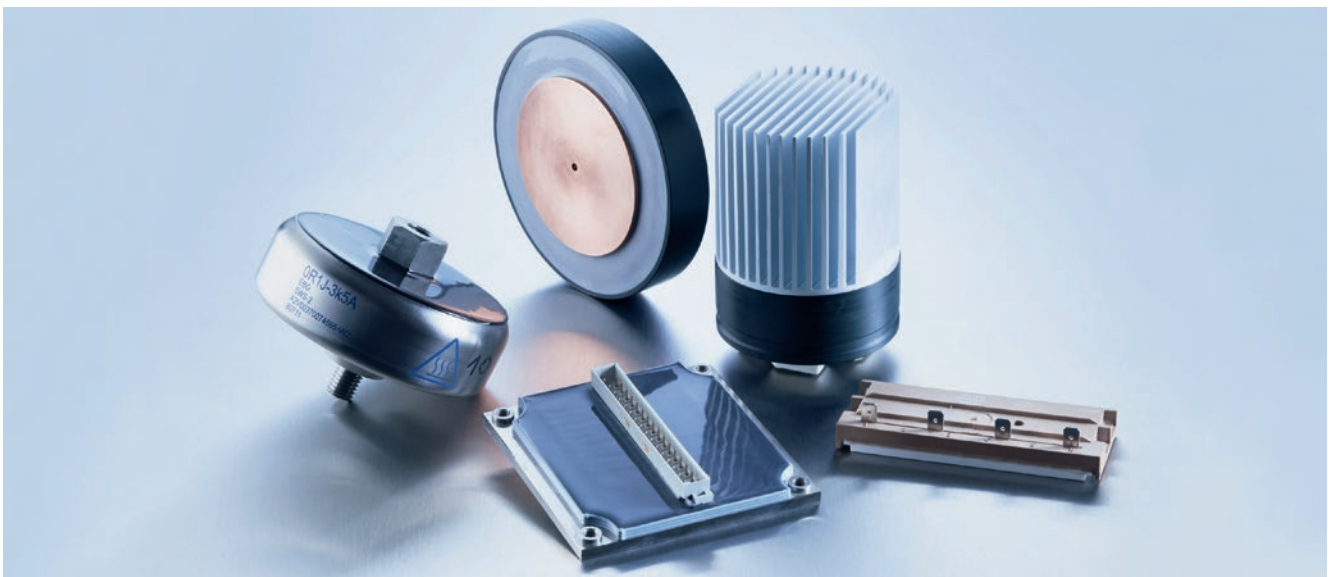


### PRACTICE MAKES PERFECT.

EBG has over 45 years of experience in the design and production of resistor solutions. Almost every customisation is available to you.

## A host of possibilities under one roof.

EBG is specialised in customised resistors and customer-specific developments. In this way it is possible for us to reach the lowest possible temperature and voltage coefficients, the highest stability and the closest tolerances.



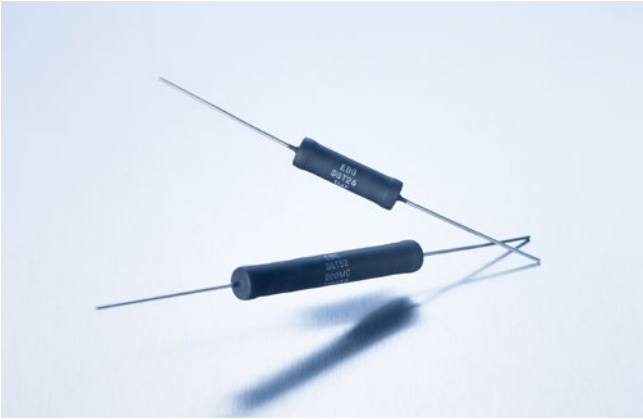
customer-specific designs

## High, higher, highest voltage!

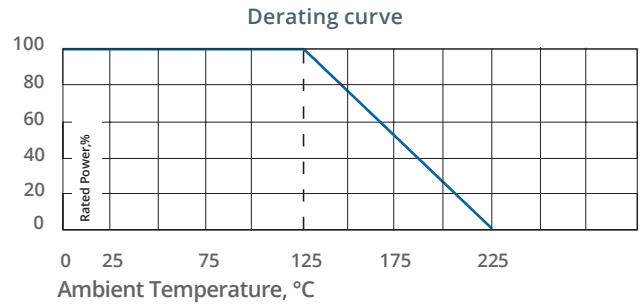
The cylindrical high-voltage resistors of the SGT, SGP and OGP series meet the highest requirements regarding the temperature coefficient and performance stability even with a persistently high supply voltage.

FSX, FEX and FBX are flat resistors, which are available in 6 different standard sizes and with various coatings. They can absorb voltage peaks of up to 24kV (Similar to FPX, FLX).

High-voltage resistors are often used in x-ray machines, magnetic resistance imaging and power devices.



SGT 2

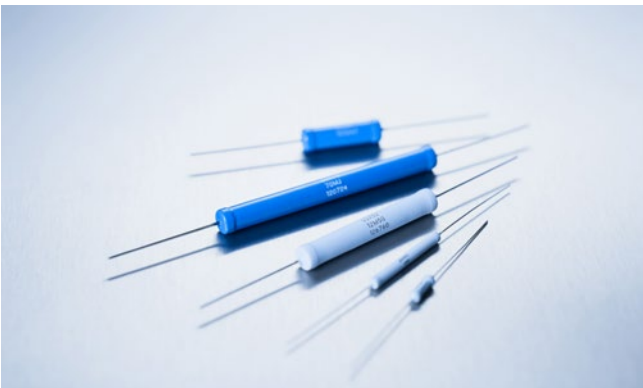


## With the highest precision.

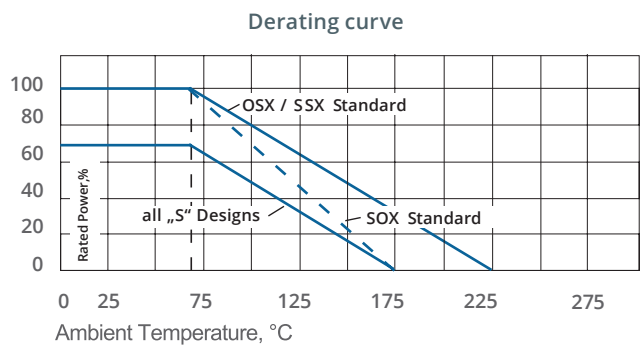
In voltage dividers, medical and electrostatic measuring instruments, we use precision high-voltage resistors of the MTX 968 / 969 series.

High stability, a low temperature coefficient but also the absorption of voltage peaks are essential here.

The relatively cost-efficient OSX / SSX / SOX series meet diverse requirements regarding tolerances and temperature coefficients. They are available with silicone as well as epoxy coatings.



OSX / SSX / SOX



## A convincing performance.

The cylindrical high-performance resistors of the SSP series can absorb performance and voltage peaks of up to 40W respectively 6000V. The thick-film resistors cover a wide resistance range and work at up to 275 °C with axial connections.

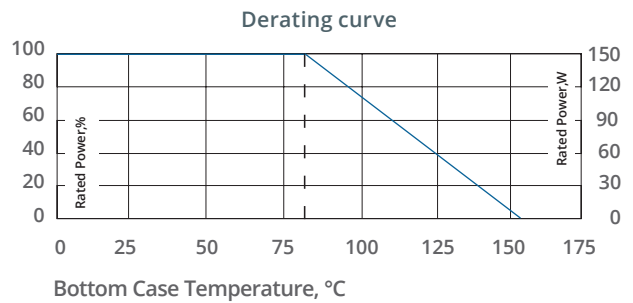
The LXP 18 / 20 / 100 series are equipped with TO 220 casings and are particularly suitable for power supply applications which have to withstand high pulse loads. These series are suitable for 18W / 20W / 100W and are available in other shapes (MXP, MSP).

The GXP, HPP, VHP, HPS, HXP, AXP, AXM and SOT series are also popular. They differ in terms of size, shape and connectors. They are suitable for power supply units, control devices, telecommunications applications, robots, motor control systems and other switching devices.

Most high-performance resistors are installed directly on the heat sink to prevent the resistors and the application from overheating.



HPS 150



## For the highest performance requirements.

As high-performance resistors almost always require a heat sink, EBG has developed a resistor with an integrated heat sink, which can be adapted to your requirements (MTX 969W series).

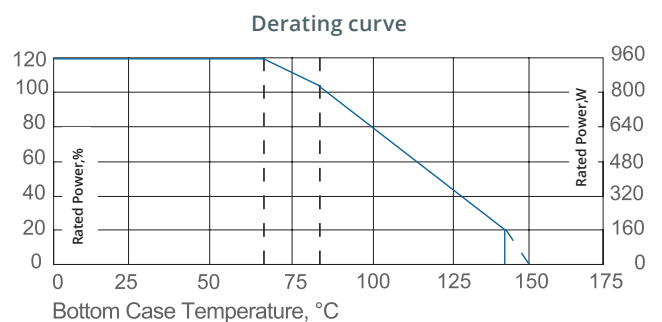
High-performance resistors of the UXP, UPT, UXM and ULX series are used in motors, control devices, inverters, robots and motor control systems. They also differ in terms of size, shape and connectors.



MTX 969W with integrated heatsink



UXP 800



## The voltage is divided with precision.

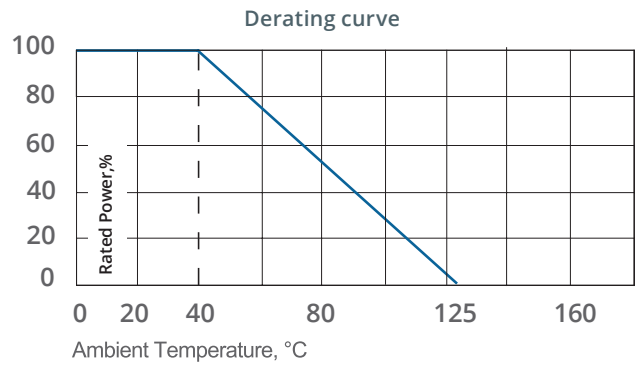
The MTX 2000 series consists of top-notch high-precision, high-performance and high-voltage dividers. They are meant for use in demanding resistor networks.

The HVT series is available in six different sizes from 5kV to 20kV.

Both series cover a wide range of resistor values, have low voltage and temperature coefficients and close tolerances.



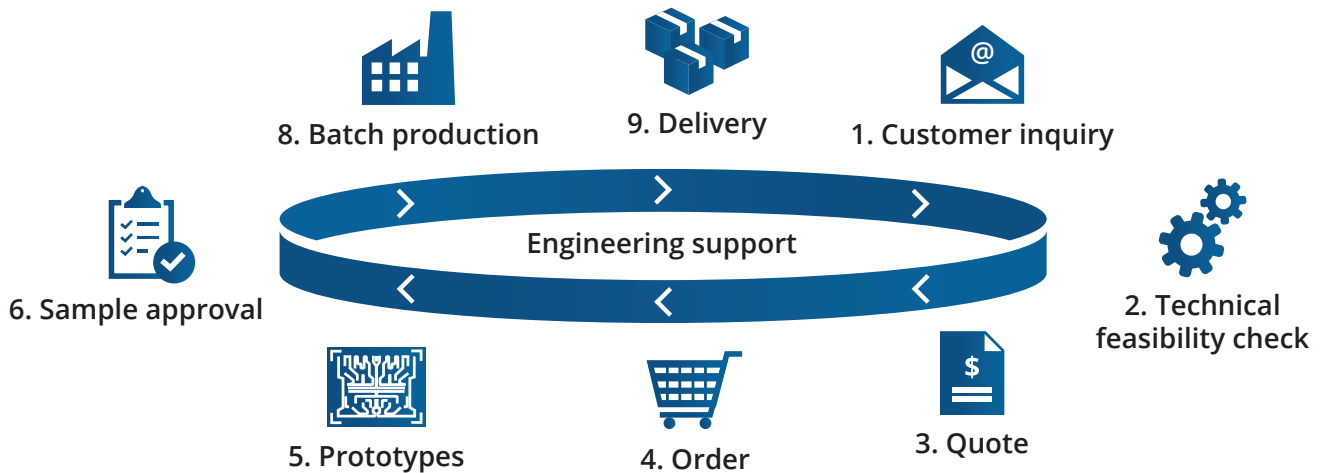
MTX 2000



## Cooperation is the way to go. Especially with us.

We are there to support you throughout the entire process of finding solutions with our wealth of experience. We can support you with the selection of your design, clarify the requirements with you and produce according to your specifications. We enjoy customizing as it requires us to think outside the box by using special materials and alternative processing methods and the like.

### A NEAT PIECE OF WORK: PROFESSIONAL HANDLING.



## Comprehensive service. For comprehensive satisfaction.

We have represented EBG in Switzerland for over 35 years. EBG is specialised in the development and production of customised high-performance, high-voltage, precision resistors. If it is within the realm of the possible for us in terms of thick-film/thin-film technology, our engineers will be more than pleased to create tomorrow's solutions with you today.



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For detailed information about resistor solutions, please refer to the EBG product catalogue.



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