

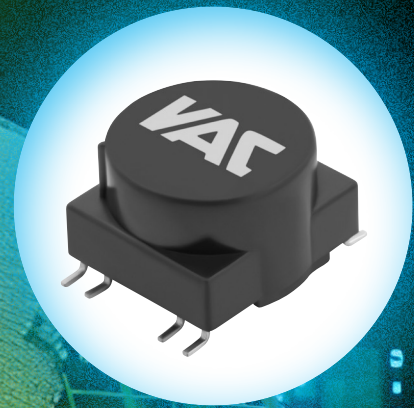
**NEW!**

# GATE DRIVE TRANSFORMER FOR SiC APPLICATIONS

Next generation hardware developments often rely on SiC semiconductors, leveraging their higher switching frequency and lower losses as key application benefits. While a reduction in volume and an increase in efficiency are welcome, the need for ultra-fast switching speeds combined with very high switching frequencies in excess of 100 kHz are challenging for the component design.

The newly designed gate drive transformer **T60403-F5046-X102** is especially suited for

- Fast
- Efficient and
- Low-loss switching



#### Key features:

- Even lower coupling capacitance < 8 pF
- High power density with high insulation strength
- Large voltage-time area in compact designs
- Lower leakage inductance
- Turns ratio adaptable

ADVANCED MAGNETIC SOLUTIONS

**VAC**  
VACUUMSCHMELZE

#### **VACUUMSCHMELZE CHINA MAGNETICS**

Shanghai Sales Office  
Room 06, 19F  
Zhongrong Hengrui International Plaza  
620 Zhangyang Road, Pudong District  
Shanghai, PRC 200122  
Phone +86 21 58 31 98 37  
Fax +86 21 58 31 99 37  
[vac\\_china@vacuumschmelze.com](mailto:vac_china@vacuumschmelze.com)

#### **VACUUMSCHMELZE GMBH & CO. KG**

Grüner Weg 37  
D 63450 Hanau / Germany  
Phone +49 6181 38 0  
Fax +49 6181 38 2645  
[info@vacuumschmelze.com](mailto:info@vacuumschmelze.com)  
[www.vacuumschmelze.com](http://www.vacuumschmelze.com)

#### **VAC MAGNETICS LLC**

2935 Dolphin Drive  
Suite 103  
Elizabethtown, KY 42701  
Phone +1 270 769 1333  
Fax +1 270 769 3118  
[info-usa@vacmagnetics.com](mailto:info-usa@vacmagnetics.com)

Published by VACUUMSCHMELZE GmbH & Co. KG, Hanau, May 2024  
© VACUUMSCHMELZE GmbH & Co. KG 2021. All rights reserved.

® is a Registered Trademark of VACUUMSCHMELZE GmbH & Co. KG



**ADVANCED MAGNETIC SOLUTIONS**