

For immediate release

Ventec Launches High-Speed Material Option Cladded with Thin-Film Resistor Foil

24 September 2020 – For enhanced high-speed signal-handling performance required by the world's most demanding high-frequency Printed Circuit Board applications, Ventec International Group has launched a laminate option to its tec-speed 20.0 glass-reinforced hydrocarbon and ceramic laminate cladded with thin-film resistor material from Ticer.

Ventec's tec-speed 20.0 material, which combines unrivaled high-frequency performance (Dk 3.00-3.48 / Df 0.0027-0.0037), superior loss characteristics and highest reliability, is now available cladded with Ticer TCR[®] NiCr thin-film resistor foil as a service option. Essentially being inductor-free, the addition of the resistive material technology offers an enhanced material solution for some of today's high-speed, low-loss, high-frequency applications where absolute performance and reliability are essential. These include aerospace & defense, radar, control circuits, sensor technologies, wireless communications, MEMS microphones/sensors/motors and medical diagnostic type applications.

Driven by the demand for reduction of dimensions and manufacturing costs of these types of devices, multi-layer technologies are one of the solutions that offer an increase in component packaging density. By adding the resistive foil layer in between the substrate and the copper layer, resistors can be embedded inside of PCB's after the lamination process.

Consequently, additional efficiencies the shorter distance between the embedded passives and active components achieves additional efficiencies that result in better signal transmission, less cross talk and improved electrical signal performance at high frequencies through lower loss and noise. In addition, material cost reduction, yield improvement, defect reduction and ultimately an optimized production cycle time and time to market can be achieved.

The embedded resistor foil layer material option named tec-speed 20.0 VT-870 H348 TCR is available in Hoz and 1oz thick foil with resistivity values of 25, 50 and 100 Ω /sq.

“The high-speed signal-handling performance of our latest VT-870 H348 TCR material cladded with Ticers' unique technology provides additional efficiencies for Ventec's tec-speed 20.0 material,” noted Mark Goodwin, COO Europe & America. “It allows us to offer our customers an even greater choice of the best in high-quality, high-performance and reliable base material technology – all of course supported by our fast and efficient global delivery promise through our fully controlled global supply chain and dependable technical support.”



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Ventec International Group Co., Ltd. (6672 TT) is a world leader in the production of polyimide & high reliability epoxy laminates and prepregs and specialist provider of thermal management and IMS solutions. Further information about Ventec's solutions and the company's wide variety of products is available at www.ventecclaminates.com and/or by downloading the Ventec APP.

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About Ventec International Group

Ventec International Group Co., Ltd. (6672 TT) is a premier supplier to the Global PCB industry. With volume manufacturing facilities in Taiwan and China and distribution locations and manufacturing sites in both the US and Europe, Ventec specializes in advanced copper clad glass reinforced and metal backed substrates. Ventec materials, which include high-quality enhanced FR4, high-speed/low-loss- & high-performance IMS material technology and an advanced range of thermal management solutions, are manufactured by Ventec using strict quality-controlled processes that are certified to AS9100 Revision D, IATF 16949:2016 and ISO 9001:2015, and are backed by a fully controlled and managed global supply chain, sales- and technical support-network. For more information, visit www.ventecclaminates.com.

Safe Harbor Statement

This press release contains projections and other forward-looking statements regarding future events or our future financial performance. All statements other than present and historical facts and conditions contained in this release, including any statements regarding our future results of operations and financial positions, business strategy, plans and our objectives for future operations, are forward-looking statements. These statements are only predictions and reflect our current beliefs and expectations with respect to future events and are based on assumptions and subject to risk and uncertainties and subject to change at any time. We operate in a very competitive and rapidly changing environment. New risks emerge from time to time. Given these risks and uncertainties, you should not place undue reliance on these forward-looking statements. Actual events or results may differ materially from those contained in the projections or forward-looking statements. Some of the factors that could cause actual results to differ materially from the forward-looking statements contained herein include, without limitation: (i) the contraction or lack of growth of markets in which we compete and in which our products are sold (ii) unexpected increases in our expenses, including manufacturing expenses, (iii) our inability to adjust spending quickly enough to offset any unexpected revenue shortfall, (iv) delays or cancellations in spending by our customers, (v) unexpected average selling price reductions, (vi) the significant fluctuation to which our quarterly revenue and operating results are subject, (vii) our inability to anticipate the future market demands and future needs of our customers, (viii) our inability to achieve new customer wins or for customer wins to result in shipments of our products at levels and in the timeframes we currently expect, (ix) our inability to execute on strategic alliances, (x) the impact of natural disasters on our sourcing operations and supply chain, and (xi) other factors detailed in documents we file from time to time with the Securities and Exchange Commission.

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