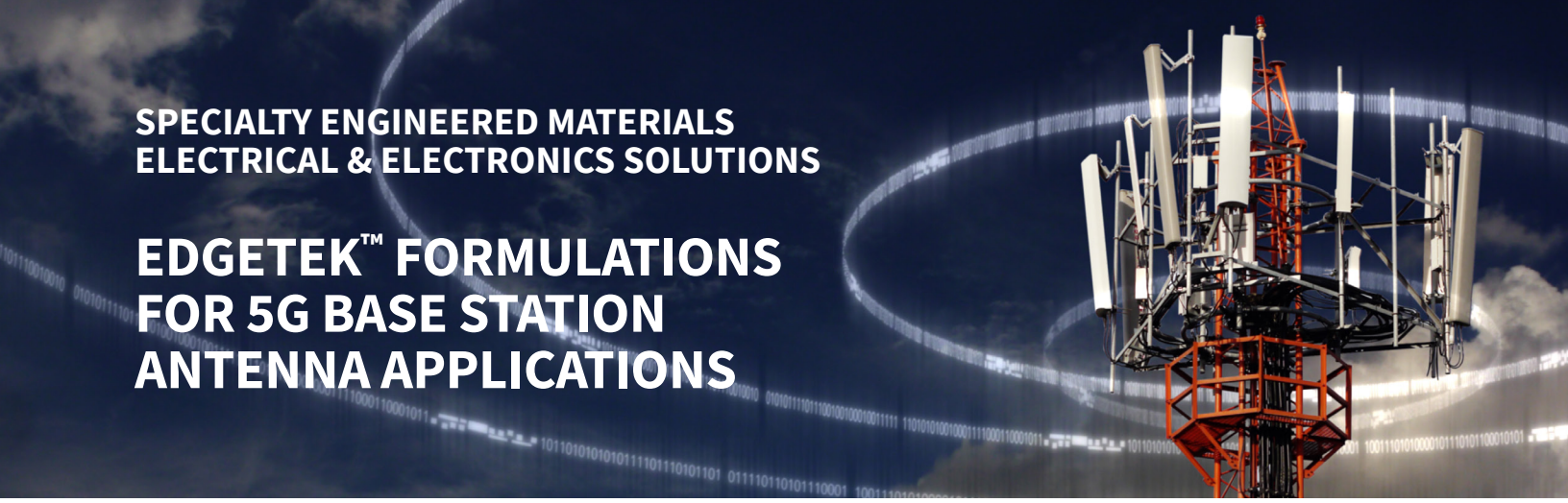

SPECIALTY ENGINEERED MATERIALS
ELECTRICAL & ELECTRONICS SOLUTIONS

EDGETEK™ FORMULATIONS FOR 5G BASE STATION ANTENNA APPLICATIONS

In the dynamic telecommunications industry, 5G (fifth generation cellular network technology) is on the verge of being widely adopted, which will drive demand for 5G-optimized antennas as new infrastructures are rapidly deployed. Avient can provide materials compatible with the LDS (Laser Direct Structuring) process to achieve design flexibility and increased speed to market for base station antennas.

Edgetek™ Formulations enable customers to achieve a selective metallization circuit design in a limited space. These materials increase design flexibility, particularly for 3D antenna designs and complex shapes. They are also compatible with SMT (Surface Mounting Technology) methods of circuit board production because they can be formulated with high heat resistance. In addition, our LDS materials can shorten lead times by supplying materials in just a few weeks to help increase speed to market.

EDGETEK™ PRODUCT PORTFOLIO

	ET9600-8010 LDS	ET3200-8177 LDS
Dielectric Constant (DK)	3.98	2.88
Dissipation Factor (Df)	0.0060	0.0040

AVIENT™

HOW AVIENT EDGETEK FORMULATIONS MAKE THE DIFFERENCE FOR 5G BASE STATION ANTENNA APPLICATIONS

Increased Design Flexibility – Can increase design flexibility especially for circuit design, 3D antenna design, and complex shapes

Faster Design Qualification & Shorter Lead Time – Can be customized to specific Dk values and delivered within weeks

Flexible Design Space – Effective for circuit designs constrained by a limited space

Compatible with SMT Process – Can be customized to resist heat, with deflection temperatures ranging from 200°C to 278°C

To learn more, please visit www.avient.com or call +86.21.60284888.

www.avient.com

AVIENT™