

# American Standard Wins U.L. Certification for MEGTRON 4 and 6 Laminates

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West Chicago based PCB fabricator American Standard Circuits has recently received their UL certification for both MEGTRON 4 and MEGTRON 6 laminates, which are manufactured by Panasonic Corporation Electronics Materials Business Division (distributed by Matrix Electronics). The Megtron laminates are used when low loss dielectric constant and dielectric dissipation, as well as heat resistance are required.

MEGTRON 4/4S is designed for Low Dk and High Tg applications, specifically for network equipment, server, routers and measuring instruments. The main attributes of MEGTRON 4/4S are: low dielectric constant and dielectric dissipation factor ( $Dk = 3.8$  and  $Df = 0.005$  at 1GHz), Lead-Free soldering RoHS compliant, and high heat resistance.

MEGTRON 6 is advanced material designed for high-speed network equipment, mainframes, IC testers and high frequency measuring instruments. The main attributes of MEGTRON 6 are: low dielectric constant and dielectric dissipation factors, low transmission loss and high heat resistance;  $Td = 410^{\circ}C$  ( $770^{\circ}F$ ).

American Standard Circuits President and CEO Anaya Vardya stated, “With our customers increasing their PCB dielectric and impedance requirements the need for special materials like the MEGTRON product line is also increasing. We are pleased to be expanding our options by adding these special materials to our list of U.L. certified laminates.”

### **About American Standard Circuits**

American Standard Circuits (ASC) prides itself on being a total solutions provider, manufacturing quality rigid, metal-backed, RF/microwave, flex, and rigid-flex PCBs for the medical, automotive, industrial, defense, and aerospace markets in volumes from test and prototypes to large production orders. ASC has the expertise to provide a wide variety of technologies in a time-critical environment. Their qualifications include AS9100 Rev D, ISO 9001:2015, MIL-PRF 31032, MIL-PRF-55110, MIL-PRF-50884 certification and ITAR registration. In addition to manufacturing in the USA, ASC can transition and manage your PCB requirements to lower cost regions via its qualified supply chain of offshore partners. ASC also holds many key patents for metal bonding processes. For more information about American Standard Circuits' services or to ask one of their technology experts a question go to [www.asc-i.com](http://www.asc-i.com).

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