



DuPont Teijin Films (DTF) and SBE announce a Collaboration to bring Customers a New High Temperature Capacitor Technology

Barre, Vermont, USA and Luxembourg City, Luxembourg – (May 10, 2017) – DuPont Teijin Films and SBE Inc are very pleased to announce a joint collaboration to bring the Power Electronics Industry a new level of DC Link performance – high temperature – high density capacitor solutions. Under this collaboration, DuPont Teijin Films (DTF) is announcing that for high voltage – high power solutions, SBE will be the exclusive supplier of capacitors for these applications using DuPont Teijin Film PEN HV film for compatible sizes of SBE’s unique Power Ring technology. SBE is concurrently announcing that it will exclusively use DTF’s PEN HV film for all high performance high temperature applications in this expanded temperature range.

DuPont Teijin Films PEN HV film allows SBE to provide capacitors with comparable electrical characteristics to Polypropylene film but with much greater operating temperature range above 125 deg C. The recently commercialized dielectric PEN HV for power capacitors combines high temperature capability to excellent electrical strength and self-healing properties with the highest energy density and is optimum for use in advanced power state of art conversion modules.

SBE Power Ring Technology achieves the industry’s highest level of current density and allows customers to utilize the highest usable voltage for their semiconductor strategy. Combining SBE’s proven performance with DuPont Teijin Films PEN HV film will allow customers a broader temperature range of applications to reliably implement these solutions.

New WBG semiconductor technologies such as SiC allow for much higher temperature applications for next generation power converters. The combination of these leading edge technologies from DTF and SBE will allow advanced customers to fully optimize solutions across new platforms and efficiency goals.

“DuPont Teijin Films is delighted to start cooperation with SBE to combine PEN HV dielectric for high temperature power applications to SBE’s innovative capacitor manufacturing technology in order to allow development of highly efficient power conversion technologies”, said Lucien Schosseler, Dupont Research & Development.

“SBE is pleased to be working exclusively with DuPont Teijin Films for advanced high temperature applications. We believe that this collaboration is the beginning of an important product and market development for advanced applications for the future Power Conversion systems. Our customers will achieve their goals with the results, ”, said Ed Sawyer, SBE’s president and CEO.

About DuPont Teijin Films (DTF)

DuPont Teijin Films is a joint venture established in 2000 between the US Company DuPont™ and the Japanese company Teijin Limited to combine interests in the development, manufacture and sale of Polyester films with global operation. DTF is a world leading producer of Polyethylene Terephthalate (PET) and Polyethylene Naphthalate (PEN) polyester films and supply a wide range of innovative and cost effective products. High quality innovative polyester capacitor dielectric films are manufactured in DTF Luxembourg facility.

For more information, visit <http://europe.dupontteijinfilms.com/> and for capacitor products <http://europe.dupontteijinfilms.com/markets-applications/capacitors/>

About SBE

SBE traces its history to Sprague Electric Co, an early pioneer of capacitors to the world in 1936. SBE became an independent company in 1986 always focusing on advanced capacitor designs and more recently building a patent portfolio of unique designs that solve important, critical problems on the Electrical and Electronics industry. Headquartered in Vermont, SBE has additional facilities in Colorado and China. For more information, visit www.SBElectronics.com.