Valuable extension to ‘HiT’, high temperature MLCC, range by Knowles Capacitors

One year on from the initial launch of a new range of high temperature MLC chip capacitors, Knowles capacitor brands Novacap and Syfer Technology have jointly announced a significant extension to the product offering. As with the initial launch, this announcement coincided with another IMAPS event – the HiTEN 2017 symposium in Cambridge UK.

The Knowles Capacitors HiT range of MLCCs has an operating temperature range of -55 to +200°C. The range offers tin over nickel terminations that had not been previously available in the company’s other high temperature MLCC ranges.

Launch specifications encompassed both Stable (C0G) and ultra stable (X7R) dielectric options in case sizes 0805 to 2220, with capacitance spread of 4.7pF to 3.3uF and rated voltages of 16 to 630V dc. To be announced at HiTEN 2017 is the increase in specified max capacitor values for the 500/630V parts – upper limit now 68nF – and the addition of an 0603 case size in X7R material (C0G being hot on the heels).

This range, both RoSH compliant and lead free, is manufactured to exacting standards using Knowles unique screen printing process to provide a high quality component suitable for demanding applications. Projects in oil exploration, geothermal, military, automotive under-hood and avionics will find the wide capacitance range of interest.

Ends

For reference: HiTEN 2017 continues the tradition of providing the leading biennial conference dedicated to the advancement and dissemination of knowledge of the high temperature electronics industry. Under the organizational management of the International Microelectronics Assembly and Packaging Society (IMAPS), HiTEN 2017 is the forum for presenting leading high temperature electronics research results and application requirements. It creates an opportunity for networking with colleagues from around the world working to advance high temperature electronics and is the ideal event to announce this range extension at.