

Pickering to showcase ultra-high density Reed Relays at electronica

One Footprint – Three Ratings – Three Profiles

Pickering Electronics, a leading provider of Reed Relays, will be showcasing its latest high density range at electronica on 8 – 11, November 2016 in booth B1.550.

The Pickering Series 115, Series 116 and Series 117 are three ranges of small Single Pole (1 Form A) reed relays ideal for the construction of high density matrices or multiplexers. These three ranges have identical pin configurations allowing a common PCB for all types but allowing the designer a range of switch ratings according to which part is fitted. The reed switches are vertical within the package which permits a common footprint with a board area of only 3.8mm x 6.6mm. Only the profile height changes with the increasing power or current ratings.



The Series 117 has a height of 9.5mm and is rated at 0.5 Amps switching at 5 Watts. The Series 116 has a height of 12.5mm and is rated at 0.5 Amps switching at 10 Watts. The Series 115 has a height of 15.5mm and is rated up to an impressive 1.0 Amp switching at 20 Watts. Double pole (2 Form A) versions are also available in the Series 116 and 117.

One benefit of the very small size of these relays is that it often makes it possible to increase the functionality of existing designs without increasing the size of the printed circuit boards.

All feature instrumentation grade reed switches with sputtered ruthenium contacts, making them an ideal choice for low level or 'cold' switching applications.

They have the option of an internal diode across the coil connections for Back EMF suppression and feature Pickering unique **SoftCenter**[®] construction as well as an internal mu-metal magnetic screen. Mu-metal has the advantage of a high permeability and low magnetic remanence and eliminates problems that would otherwise occur due to magnetic interaction. Relays of this size without magnetic screening would be totally



unsuitable for applications where dense packing is required.

To learn more visit Pickering on booth B1.550 at Electronica this November, or contact Pickering today to request your free sample board of Pickering ultra-high density Reed Relays at www.pickeringrelay.com.