



Company Bulletin

for EMC, EMP, HEMP & TEMPEST Protection

Issue 25



Pluggable TEMPEST filters with single, dual and quad outlets



Marcus Wright – Manufacturing Manager, MPE Ltd

Faster delivery on pluggable TEMPEST filters

MPE has been long established as the world's largest and most trusted manufacturer of pluggable TEMPEST filters. The company's present ranges have been supplied for almost 10 years now, with many thousands of these "plug-and-go" units in service globally.

Filters for TEMPEST are countermeasures aimed at preventing eavesdropping on data radiated as signals via conducting lines (such as power, telephone or control line cables). Due to an ever increasing demand for both its UK and EU pluggable TEMPEST variants, MPE has instigated a stockholding of finished units and has also explored ways of reducing the manufacturing lead-time for any models not in stock.

This means that demands for small quantities or urgent requirements can be met straight away, given that most models are available for immediate shipment. Furthermore MPE is now able to supply any units not in stock within a six-week period.

These accelerated lead-times are possible as a result of process improvements following review, but also of MPE's capital investment in new manufacturing technology such as the LVD Stripit P-1525 CNC turret punch press installed during 2020.

Marcus Wright, the Manufacturing Manager of MPE pictured left, commented: "I am delighted that, because of MPE's commitment to investment in manufacturing, we are able to offer a further reduction in lead times. This is as a direct result of the increased flexibility within MPE's in-house fabrication capability."

As previously reported in Company Bulletin Issue 23, all of MPE's TEMPEST filter products are now assigned NATO Stock Numbers, unique codes for NATO organisations to reference and use. The assigning of NATO Stock Numbers to the entire range of MPE TEMPEST filters is testament to their world-leading status and their maturity, performance and reliability in a host of army, navy and air force applications.

All filter components are manufactured and tested at the MPE factory in Liverpool under a stringent ISO 9001 quality regime. Reliability over long service has become the hallmark of MPE TEMPEST filter technology in active duty around the world.

MPE offers a comprehensive range of TEMPEST power line filters of alternative performance specifications. These extend from 6A to 16A filters, which might be used to treat individual power inlets, up to 3000A filters for the hardening of a main building power supply. Over several decades MPE has been supplying TEMPEST products which adhere to the onerous specifications of CESG (the Communications Electronics Security Group at GCHQ) and of the US National Security Agency (NSA) and more recently NATO TEMPEST SDIP-27 and SDIP-29 Standards.

You are invited to download from [here](#) a three-page datasheet for the standard UK range of pluggable TEMPEST filters from MPE.

The equivalent information covering MPE's comprehensive European pluggable filter range may be accessed from [here](#).