

## Datasheet

# Antistatic Heavy Duty Field Service Kit

RS Stock number [681-1231](#)



### Purpose of Field Service Kit

To create a temporary ESD Protected Area (EPA). An EPA is a working space where electrostatic discharge sensitive devices (ESDS) may be unpacked, handled and packed with the minimum risk of being damaged by static electricity

### Instructions for use:

- Remove kit from pouch
- Open mat and place on a flat stable surface with the stud facing upwards.
- Connect straight ground cord using snap fastener to the stud on the mat.
- Connect 4 mm plug of the straight ground cord to Earth or to an earthed terminal of the equipment. If necessary use the crocodile clip to do so.
- Put on wrist band. Ensure wrist band fits snugly. Separate instructions for use are supplied with band.
- Connect coiled cord (has a 1 mega ohm resistor) by snap fastener to wrist band.
- Plug the other end of coiled cord into straight cord. Alternatively, the coiled cord can be connected to Earth or the equipment Earth terminal, possibly using the crocodile clip.

The EPA is now ready for use.



## General Instructions

- Always replace kit in pouch after use.
- Do not clean mat with solvents. Use bench top cleaner or mild detergent and warm water.
- Pouches sewn into mat are suitable for holding components, PCBs and ESD compatible tools.
- If possible test the overall resistance to Earth of the personnel regularly. This can be affected by preparing the kit for use and measuring the resistance from the operator's finger tips to Earth. The resistance should be approximately 3 mega ohms, but certainly be at least 0.75 but less than 35 mega ohms.

## Properties

$R_S$ : 10E8 ohms,  $R_G$ : 10E6 to 10E8 ohms

Size when open 590 x 545mm

Total weight of kit: 0.4kg