

Two new components at Munich exhibition

Two completely new components – a Joystick Controller and a High Power X-band Junction Circulator – were unveiled by the Specialized Components Division at the Electronica '76 exhibition in Munich.

The Joystick Controller (Type F3049) has been developed by Marconi in two versions – the 01 and 02 – to provide an extremely reliable and sensitive mechanical control for operating many types of electronic equipment. Both versions are ideal for use as man-machine interfaces in the operation of radar and graphical displays and industrial machines etc.

A unique feature of the Joystick Controller is that it is completely solid-state with no potentiometers, gears or sliding contacts, thus ensuring high reliability and virtually eliminating the need for maintenance.

The 02 version of the equipment also has a momentary action, push button switch located within the handle, which allows the user to operate external functions at will.

The Circulator (Type F1158-02) is ideal for use in many types of radar applications, at both high peak and mean power levels, without the need for water cooling. It can also be opera-

ted as an isolator by the addition of a suitable load on one port, the power rating being dependent on the expected reflected power.

It is a compact high-power air-cooled junction circulator in R100 waveguide, operating over the frequency band 8.5 to 9.6GHz at a normal work-

ing power rating of 60kW peak, 500W mean. Isolation is 20dB minimum and isolation loss 0.3dB maximum over the temperature range 0°C to +85°C. The circulator also gives performance over the extended frequency range 8.0 to 10.3GHz and ambient temperature range -40°C to +85°C.



H.R.H. Duke of Kent talking to D. Gill, Manager, Specialized Components Division, at Electronica '76