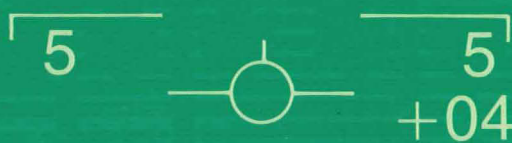
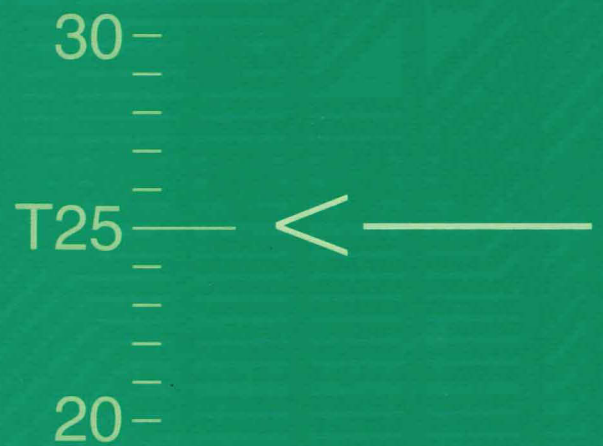


MSCADC

MINIATURE
STANDARD
CENTRAL
AIR DATA
COMPUTER

MO.72



GEC AVIONICS



MSCADC

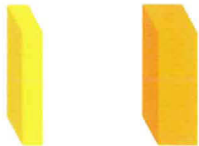
MSCADC provides a reliable and comprehensive air data capability for a wide range of avionics update programmes and new light-weight fighter aircraft.

The intelligent application of technology



50-101-01

CORE MODULES



TRANSUDCER

PSM

NON CORE



ELECTRONIC ASSYS



50-108-01

CORE MODULES



TRANSUDCER

PSM

NON CORE



ELECTRONIC ASSYS

The Miniature Standard Central Air Data Computer is based on the same modular technology as the highly successful Standard Central Air Data Computer (SCADC) which is currently providing massive savings in life cycle costs to customers all over the world.

The unique design of MSCADC can be adapted to suit different types of aircraft and enables the conflicting requirements of low module count and high commonality to be met thus reducing customisation costs. Size and weight have been minimized by the use of custom Hybrids and ASICs with reduced power consumption and lower component thermal stress leading to improved reliability.

Ease of maintenance is also a key feature of MSCADC. Extensive automatic and manual BIT facilities are used to assist fault detection and diagnosis while a non-volatile memory retains fault information and relevant flight data. This may be read via a MIL-STD-1553 data bus or an RS232 type serial link, and defective modules may be simply replaced.

Efficient project management at all stages, from initial design and development to manufacture and support ensures long term reliability and enables the customer's programme requirements to be fully achieved.

A typical configuration:

Size: 5.5" x 9.5" x 4" Weight < 10lb

Power < 20W MTBF > 7 800 hrs

This document gives only a general description of the product(s) and shall not form part of any contract. From time to time changes may be made in the product(s) or in the conditions of supply.



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