

VERSION: 1.5


## PRODUCT DESCRIPTION:

The DF-A0054 is a 4-band, 5 -channel DF switch. It is particularly suitable for band selection on the DF-A0095 direction finding antenna. The switch is designed to be mounted internally within the weatherproof cavity in the antenna.

The switch comprises 5 parallel channels, each equipped with input power limiters, ESD protection, low noise amplifier and band switch. A "calibration band" can also be selected, providing a balanced 5 -way split of an internally generated or externally supplied calibration signal, for chain and receiver calibration. Each channel features a low-noise amplifier, within the calibration chain, to help overcome switch and cable loss.

The switch accepts a very wide input voltage range and is controlled via EIA-485 (RS-485). All switching is solid state for rapid band change and unlimited switching cycles.

## PRODUCT FEATURES:

- 4-band, 5-channel switch
- Low noise amplifier on each channel
- Wideband internal noise source for chain calibration
- External injection mode for chain calibration
- High-speed solid state switching
- Limiter and ESD protection on each input in order to allow operation in adverse EM environments


## APPLICATIONS:

- DF band switching for Alaris' range of DF antennas, particularly, the DF-A0095


## High-Speed DF Antenna Band Switch

$1-6000 \mathrm{MHz}$

## Product Code: DF-A0054

SPECIFICATIONS:


