

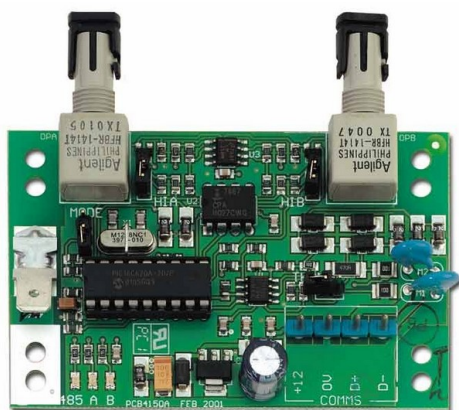
## DATASHEET

# ATS1743

RS485 Databus to Multimode Optical Fiber interface

## MAIN FEATURES

- RS485 Databus to Multimode Optical Fiber interface



## TECHNICAL SPECIFICATIONS

### Power supply

|                     |               |
|---------------------|---------------|
| Power supply type   | VDC           |
| Operating voltage   | 10.5 - 13.8 V |
| Current consumption | 60 mA max     |

### Physical characteristics

|                     |                    |
|---------------------|--------------------|
| Physical dimensions | 90 x 80 mm (W x H) |
|---------------------|--------------------|

### Environmental characteristics

|                       |             |
|-----------------------|-------------|
| Operating temperature | 0 to 50°C   |
| Relative humidity     | 95% maximum |

### Other characteristics

|                              |                                                     |
|------------------------------|-----------------------------------------------------|
| Accessory group              | Advisor Advanced, ATS Master, Communication devices |
| Type                         | Module                                              |
| Specified cable              | Aritech WCAT 52/54 or equivalent                    |
| Max. distance from panel     | 1.5 km                                              |
| Specified optical fibre type | 62.5/125 um multimode                               |
| Wavelength                   | 820 nm                                              |
| Emitter type                 | AlGaAs LED                                          |
| Optical budget               | 15 dB typical                                       |
| Minimum                      | -21 to -15 dBm                                      |
| Typical                      | -17 to -12 dBm                                      |

## ATS1743

### TECHNICAL SPECIFICATIONS

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|                                   |                |
|-----------------------------------|----------------|
| Maximum                           | -14 to -10 dBm |
| Bi-directional/Dual fibre mode    | 14             |
| Uni-directional/Single fibre mode | 15             |