The SBT003A is used to power Stancom's UHF range of Mast Head Amplifier. The frequency range is 100-1300MHz. By injecting DC onto the coaxial cable at the start of the coaxial cable run, power is provided to the MHA (Mast Head Amplifier). This power is monitored using a sophisticated power monitoring circuit and should a malfunction in the MHA be detected the SBT003 displays an alarm. Remote alarm is also provided by a closure of opening of contacts on two separate pins.

**Specification:**

**Parameter (Masthead)**

- **Frequency Range (Std)**: 100MHz – 1300MHz
- **Through Loss**: <0.5dB
- **Input Return Loss**: >14dB. (Typ >20dB, 1.05:1)
- **Output Return Loss**: >14dB. (Typ >20dB, 1.05:1)
- **Input Impedance**: 50Ω
- **Output Impedance**: 50Ω
- **Connectors**: N type Female
- **Voltage**: 12V – 24V.
- **Current**: Pass typically 140mA.
- **Alarm Indicator**: RED – Fault / GREEN – Good
- **Alarm Pins**: Dry contact Open when good, closed when bad
- **Case Size (Masthead)**: 60 x 60 x 35mm (Excluding Connectors)
- **Weight**: 200g
- **Material**: Aluminium Main housing with aluminium cover.
- **Environmental**: Indoor use only
- **Temperature**: -20 +50°C

**Options:**

- -1 – Low Voltage option with no alarm feature operates over 0 – 15V.
- -2 – Alarm feature not fitted
- -LF – Low Frequency Option. (Note. LF can have options -1 and -2 are fitted)