



The SBT004A is used to power Stancoms Range of Mast Head Amplifiers. By injecting DC onto the coaxial cable at the start the coaxial cable run, power is provided to the MHA. This power is monitored using a sophisticated power monitoring circuit and should a malfunction in the MHA be detected the SBT004 displays an alarm. Remote alarm is also provided by a closure or opening of contacts on two separate pins. (User definable)

Specification:

Parameter (Masthead)

Limits

Electrical:

Frequency Range	10MHz – 6000MHz
Through Loss:	
10 MHz to 1000 MHz	<0.5dB (Typ. 0.2dB)
1000 MHz to 3000 MHz	<0.8dB (Typ. 0.5dB)
3000 MHz to 6000 MHz	<1.4dB (Typ. 0.8dB)
Input return loss	>14dB Below 100Mhz, >10dB above 1000MHz
Output Return Loss	>14dB Below 100Mhz, >10dB above 1000MHz
Input Impedance	50Ω
Output Impedance	50Ω
Connectors.	N type Female
Voltage	12V – 24V.
Current	120mA Typ. (SBT003=20mA, MHA00x=100mA.
Alarm Indicator	RED – Fault / GREEN – Good
Alarm Pins	Dry contact Open when good, closed when bad

Mechanical:

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