



TELEMETRY TRANSMITTER MODEL BA-SB-TX10-V2

SPECIFICATIONS:

- **Frequency:** 2200MHz ÷ 2300MHz
(8 selectable frequencies in same device)
- **Frequency Stability:** ± 2.5 ppm
- **Power Output:** 10W min
- **Output Impedance:** 50 Ohm ,VSWR 2:1 max
- **Deviation:** tunable via manual trimmer 0.7MHz
÷ 3.5MHz @ 1Vrms (2.8Vptp)
- **Frequency Response:** Selectable Filter, Up to 10MBPS.
- **Video Input Impedance:** 10K Ohm
- **Supply Voltage:** 13 – 36 Vdc (Reverse voltage protection)
- **Current consumption:** 34W (30% efficiency), Stby mode available.



ENVIRONMENTAL:

- **Temperature:** -35° ÷ +80°C, Non Operating: -40° ÷ +90°C
- **Vibration:** Random, 12g from 20 to 2000Hz (3 axis)
- **Shock:** 100g, 11 ms , ½ sine. (3 axis)
- **Altitude:** Unlimited
- **Humidity:** 90%

MECHANICAL:

- **Size:** 76 X 51 X 19mm
- **Weight:** 155gr

Connectors:

RF –SMA FEMALE ,

Video, dc,- MDM 15 pin

1. Mod in TTL or RS422 (+)
2. Mod in RS422 (-) or contact to pin 3 ref 2.5V (used in TTL mode)
3. ref 2.5V
4. Supply returned/ GND
5. Supply voltage
6. Output mod after filter (contact to pin 7 or open)
7. Input mod analog (contact to pin 6 or external signal)





8. GND
9. Power HIGH/LOW (N.C, GND- HIGH, 5V-LOW (20dBm max)
10. Internal Modulation Data (SHORT with PIN 11 for normal operation)
11. Shaping Filter input (SHORT with PIN 10 for normal operation)
12. Frequency Control 1 (Open/Short)
13. Frequency Control 2 (Open/Short)
14. Frequency Control 3 (Open/Short)- NOT USED
15. GND

- **Name plate (On top panel) :** BA Logo, Model #, Serial number, Date of Production (WW, Year).

OTHER

Replace ability: Each unit can be replaced with another no need of calibration.

Documents: Each unit supplied with C.O.C and ATR.

MECHANICAL DRAWING:

