



## TELEMETRY TRANSMITTER MODEL BA1332T-5W-P236-251

### SPECIFICATIONS:

- **Frequency:** Frequency options in the range of 236 -251MHz
- **Frequency Stability:**  $\pm 5$  ppm ( $-30^{\circ}\text{C} \div +80^{\circ}\text{C}$ )
- **Power Output:** 5W min
- **Protection for all VSWR:** YES,  $360^{\circ}$
- **Output Impedance:** 50 Ohm ,VSWR 2:1 max
- **Modulation index:** 0.7 of 0.6MHz input
- **Frequency Response:** 0.6 mbit/sec NRZL
- **Video Input:** TTL or RS422 ( selected by plug short)
- **Supply Voltage:**  $13 \div 36$  Vdc
- **Reverse polarity voltage protection:** YES
- **Current consumption:** 20W max
- **Transmitting wakeup time:**  $< 0.5$  sec



### ENVIRONMENTAL:

- **Temperature:**  $-30^{\circ} \div +80^{\circ}\text{C}$ , Non Operating:  $-40^{\circ} \div +90^{\circ}\text{C}$
- **Vibration:** sine, 20g from 20 to 2000Hz ( 3 axis)
- **Shock:** 100g, 11 ms ,  $\frac{1}{2}$  sine. ( 3 axis)
- **Altitude:** 30 km
- **Humidity:** 90%

### MECHANICAL:

- **Size:** 90 X 63.5 X 28.5mm
- **Weight:**  $< 0.5\text{kg}$
- **Connectors:**
  - RF –TNC FEMALE ,
  - Video, dc, control –15 pin MDM –
- **Pin Connection:** 1 ,2 - +28V , 3 – GND, 4-NC , 5 – RS422 + , 6- RS422 - , 7- FREQ SELECT, 8-NC, 9 – GND, 10 –NC , 11 – input format select, 12 –TTL IN, 13,14,15 – NC



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

## OTHER

**ESS:** Each unit will pass the following ESS tests, consisting of:

- -30°C to +90°C , 10 cycles , VDC= 16VDC.
- Random Vibration tests of 6Grms in the Z-axis for 10 minutes .
- Measurements and results recording as per attached ESS appendix.

**MTBF:** Not Done.

**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:

