



## Data Sheet

### X-Band Test Loop Translator

Part No:AE/XBTLT/B7190/5000S

#### Specifications: -

- Frequency Range : RF Input : 7145 MHz to 7235 MHz  
RF Output : 8400 MHz to 8500 MHz
- Conversion : Single conversion using tunable Local Oscillator.  
LO: 1255 MHz to 1270 MHz at 1KHz step size
- RF Input level : 0 to -30 dBm with AGC control  
RF Output level : -40 to -80 dBm adjustable in 1dB step size. Output level shall remain fixed at set value with variation in RF Input level (AGC controlled)
- Phase Noise : -80dBc minimum at 1KHz
- Spurious : -60dBc minimum
- RF Input / Output Connector : N-female, 50ohms or SMA-female, 50ohms
- Input / Output VSWR : 1.4:1 max
- Internal frequency stability : better than 1ppm
- External Reference : 5 or 10 MHz, 50 ohms, 0 dBm +/- 3 dB, BNC (female) or SMA (female), 50 ohms, Internal/ External auto selection
- External LO : Unit shall have provision for feeding External LO signal Connector: SMA female / N-female.
- Remote Monitoring and Control : TCP/IP, Outdoor rated RJ-45 connector
  - a) Selected Output: Frequency – control.
  - b) L.O. Lock Indication – Monitoring.
  - c) Reference Int/Ext Selection – Monitoring.
  - d) Output Level –Control.
  - e) L.O. internal / external selection.
  - f) L.O. Monitor output – Sample output.
  - g) Failure Alarms –Monitoring.
- Power Supply : 24 VDC +/- 10%, with suitable outdoor rated connector
- Operating temperature : 0 degC to 50 degC, upto 95% RH
- Body : Weather sealed (IP 65), suitable for hub mounted operation
- Mechanical dimensions : 300 x 250 x 100 mm (max.) Suitable mounting holes at appropriate locations shall be provided for antenna hub mounting.



## X-BAND TLT PICTURE:

