**RF OUTPUT**
- **CARRIER FREQUENCY:** 2200.5 to 2299.5 MHz (2267.5 MHz nominal)
- **CARRIER STABILITY:** Within ±0.002%
- **OUTPUT POWER:** 0.5 watt max, (other options exist)
- **VSWR:** 1.5:1 Maximum
- **IMPEDANCE:** 50 Ohms Nominal
- **OPEN/SHORT PROTECTION:** No Damage due to open or short of Infinite Duration
- **HARMONIC & SPURIOUS LEVEL:** In Accordance with IRIG 106-96

**TM TRANSMITTER MODULATION CHARACTERISTICS**
- **FREQUENCY RESPONSE:** 10KHz to 6 Mhz
- **PEAK DEVIATION:** ± 10 MHz Maximum, set for 1.4 x Br (Diphasic)
- **DEVIATION NON-LINEARITY:** 1.0% Maximum BS for ±4 MHz Deviation
- **DEVIATION SENSITIVITY:** set internally to yield 0.7 x Br peak deviation
- **HARMONIC DISTORTION:** 1.0% Maximum For ±4 MHz Deviation
- **INCIDENTAL AM:** 95% Maximum
- **INCIDENTAL FM:** 10 kHz Maximum
- **INPUT IMPEDANCE:** 10k ohm Nominal interface from encoder to tx

**POWER REQUIREMENTS**
- **INPUT VOLTAGE:** 72±12 VDC preferred @ .450 amps max. (linear regulator)
- **INPUT CURRENT:** (The available higher voltage implementation will tolerate 5.8 VDC to 12 VDC)

**ENVIRONMENTAL SPECIFICATION**
- **TEMPERATURE:** Operating: 0°C to +95°C
- **VIBRATION:** 20 g’s, Random, Standard, 20 Hz to 2 KHz, 3 Axes
- **SHOCK WITHSTAND:** 30,000g's typical
- **ACCELERATION, CONSTANT:** 30,000g's nom.
- **ALTITUDE:** Unlimited
- **HUMIDITY:** To 95%

**PHYSICAL CHARACTERISTICS**
- **DIMENSIONS:** Per Deline Drawing
- **WEIGHT:** TBD

**ENCODER SPECIFICATIONS**
- **ANALOG CHANNELS (6 EACH) (up to 8 possible)**
- **SINGLE ENDED INPUTS**
- **5 KHZ SAMPLE RATE**
- **SINGLE POLE R/C ANALOG FILTER**
- **DISCRETE CHANNELS (6 EACH) (up to 8 possible)**
- **5V CMOS LEVELS**
- **SERIAL DATA**
- **480 kBITS/S MAX.**