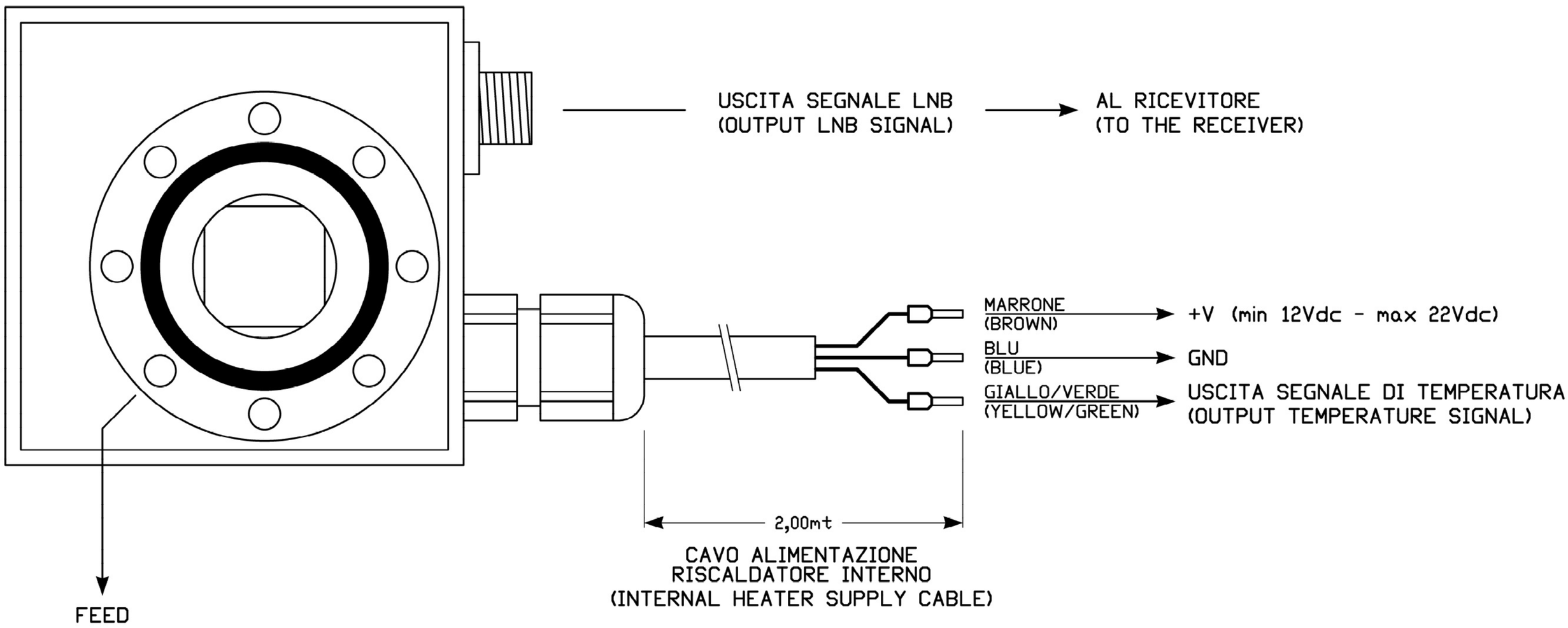
RAL10_LNB



MISURA ANALOGICA DI TEMPERATURA (ANALOG MEASUREMENT OF THE TEMPERATURE)	Vout = 0mV + 10.0mV/°C
CAMPO DI OPERATIVITA' DEL SENSORE DI TEMPERATURA INTERNO: (RANGE OF THE INTERNAL TEMPERATURE SENSOR)	+2°C ÷ +150°C

LNB SPECIFICATIONS

1. INPUT FREQUENCY	
LOW BAND	10.7 - 11.7 GHz
HIGH BAND	11.7 - 12.75 GHz
2. OUTPUT FREQUENCY	
LOW BAND	950 - 2150 MHz
HIGH BAND	950 - 2150 MHz
3. NOISE FIGURE	0.3dB typ
4. GAIN	50 - 60 dB
5. GAIN RIPPLE	
26MHz BANDWIDTH	< +/- 0.5 dB
LOW BAND	< 5 dB typ
HIGH BAND	< 5 dB typ
6. LOCAL OSCILLATOR FREQUENCY	
LOW BAND	9.75 GHz
HIGH BAND	10.6 GHz
7. LOCAL OSCILLATOR PHASE NOISE (typ)	
1 KHz	-65 dBc/Hz
10 KHz	-95 dBc/Hz
100 KHz	-110 dBc/Hz
8. LOCAL OSCILLATOR STABILITY	
(INCLUDING SETTING, AGING	+/- 1 MHz typ
AND TEMPERATURE DRIFT)	+/- 5 MHz max
9. CURRENT CONSUMPTION (*)	105 mA typ
10. IMAGE REJECTION	> 40 dB

11. ISOLATION	
CROSS POLAR ISOLATION	> 30 dB
12. TWO-TONE 3rd ORDER	
INTERCEPTION POINT (OUTPUT)	> 15 dB
13. OUTPUT CONNECTOR	FEMALE F-type
IMPEDANCE	75 Ohm
RETURN LOSS	> 10 dB
14. OPERATING TEMPERATURE RANGE	-40°C to +70°C
STORAGE TEMPERATURE RANGE	-40°C to +70°C
15. BAND POLARIZATION SELECTION	
SIGNALS APPLIED TO F-type CONNECTOR	
VERTICAL POLARIZATION SELECTION	11.5V to 14V
HORIZONTAL POLARIZATION SELECTION	15.5V to 19V
HIGH BAND SELECTION (22kHz tone)	
FREQUENCY (SQUARE WAVE CONTROLLED	
RISE/FALL TRANSITION TIME)	18kHz to 26kHZ
LEVEL	0.4Vpp to 0.8Vpp
TRANSITION TIME	5uS to 15uS
DUTY CYCLE	40% to 60%
LOAD IMPEDENCE AT 22kHz	> 70 Ohm
LOW BAND SELECTION	NO TONE
16. SNH - 031	18.5mm ∅ WAVEGUIDE, C120 FLANGE OFF-SET PARABOLA MATCHED, FREQUENCY COMPENSATED FEED HORN, 40mm DISH CLAMP

* = LNB ONLY, NOT THE HEATER