

10MHz VSAT - L band Signal Inserter

- 10MHz VSAT Reference Source.
- Inserts Reference into L Band Path.
- 4A DC Pass.
- DC Insertion.



Description

The Global Professional 10MHz Source is a high stability reference source for VSAT block upconverters. Inserted into a Low Loss L Band signal path. The unit has the ability to pass 4Amp D.C. to the BUC plus an optional DC insertion point.

Presented in an anodised, machined aluminium box.

Customised versions of this product are available upon request.

Specification

Output Frequency	10MHz
Output Level	+7dBm +/-1
Operating Temperature	- 20 to +70 C
Temperature Stability	< 3 x 10 ⁻⁹ over range -20 to 70 C
Stability with supply voltage	< 2 x 10 ⁻⁹ for a 10% change
Stability with load change	< 5 x 10 ⁻¹⁰ for a 10% change from 50ohms
Short term stability	< 1 x 10 ⁻¹¹
Phase Noise	10Hz -130dBc/Hz 100Hz -145dBC/Hz 1KHz -155dBC/Hz 10KHz -158dBC/Hz 50KHz -160dBC/Hz
Warm up error	+/-1 x 10 ⁻⁸ of final frequency after 8 mins max at +25 C
Frequency adjustment (electrical) 0.5-0.7V	Sufficient for minimum of 10 years ageing Positive slope
Power Supply	24V DC
Harmonics	< -30dB wrt carrier
Shock	IEC 68-2-27 Test Ea. 50G for 11mS
Vibration	IEC 68-2-06 Test Fc 10-55Hz, 1.5mm, 55- 500Hz, 10G
Through Loss	Nominal 0dB
DC Current Pass	5A
Storage Temperature	- 40 to +90 C
Humidity	> 90% non condensing