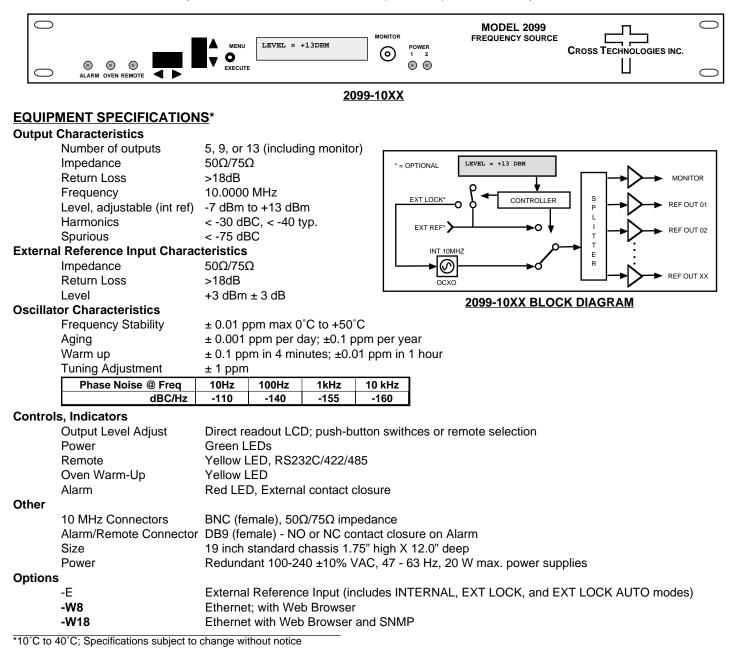


## **DATA SHEET**

REV\_C 02/20/13

## 2099-10XX Frequency Source

The Model 2099-10XX Frequency Source provides four (xx=04), eight (xx=08) or twelve (xx=12) 10MHz reference outputs from a 0.01 ppm high stability oven controlled crystal oscillator (OCXO). Front panel LEDs indicate alarm (red), oven warm-up (yellow), remote (yellow), and power from the two redundant power supplies (green). The output level is +13 dBm (max), and the 2099-10XX works into either a 75 $\Omega$  or 50 $\Omega$  load. An available External Reference option (Option E) provides an external reference input which can be used to lock the internal 10 MHz source to a high stability external frequency reference or it may be redistributed with an adjustable pass-through gain of -10 to +10 dB. An LCD display shows the 10MHz output level (or pass-through gain, mode setting, lock reference frequency, and AUTO fault (Option E only). Connectors are BNC female. A relay contact closure or open indicates when an alarm occurs. The 2099-10XX is mounted in a 1RU rack mountable chassis, and is powered by redundant power supplies fed by separate fused 100-240 ±10% VAC AC input connectors. An RS232/422/485 (selectable) M&C interface provides remote control of the unit.



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