

Data Sheet

VIAVI

Micro-Transcoder™

10-Channel GPS Simulator

Typical Electrical Specifications

Data/Power connectors	Standard DIP 100 mil footprint, can be soldered or socketed into customer PCB
Built-in GNSS monitoring receiver	72 channel gen-8 GNSS receiver
Outputs	One 3.3 V CMOS 1 PPS output, one 10 MHz CMOS 3.3 V output, disciplined by external 1 PPS reference, One RF GPS L1 C/A code, -105 dBm to -128 dBm
Spectral Purity (1 MHz to 13.2 GHz)	< -30 dBc in-band (L1, ±20 MHz), < -70 dBm out-of-band
Harmonics of L1 (1.57542 GHz)	< -140 dBm
Serial Control	SCPI-99 Control at 9.6 K, 19.2 K, 38.4 K, 57.6 K, 115.2 K
External GNSS receiver compatibility	Any NMEA compatible source, direct control of Rockwell Collins GB-GRAM and MicroGRAM SAASM GPS, and u-Blox GNSS receivers, supports Satelles/Iridium-STL receivers
SCPI Control/Monitoring Port	Compatible to any terminal program, SimCon, and GPSCon, NMEA output sentences
Operating Temperature	-40°C to +75°C
MTBF	>600,000 Hours



Micro-Transcoder