

DS5200 Digital Source Generator

DS5200 QAM Source Generator



Overview

DS5200 is the ideal return path generator for HFC system installation and maintenance.

Specifications

| Frequency | |
|------------------|--|
| Range | CW: 5 MHz ~ 120 MHz Digital Signal: 5 MHz (Left Edge Frequency) -120 MHz (Center Frequency) |
| Accuracy | ±2 ppm |
| Resolution | 10 kHz |
| Level | |
| Range | 0 ~ 60 dBmV |
| Accuracy | CW: ±1.5 dB Digital Signal: ±2.0 dB |
| Resolution | 1.0 dB |
| Output Impedance | 75 Ω |
| VSWR | <2.0 |

| Spectrum Purity | |
|--------------------------|--|
| Harmonic Restraint Ratio | ≤-40 dBc |
| Non Harmonic Stray | ≤-40 dBc |
| Phase Noise | (At 50 MHz CW) 85 dBc @10 kHz 105 dBc @ 100 kHz |
| Modulation Signal | |
| Type | QPSK, 16/64/256 QAM |
| SR | 1 MS/s ~ 7 MS/s |
| BW | 1.25 MHz ~ 8.75 MHz |
| Roll Off | α=0.25 |
| MER | >36.0 dB |
| BER | <1 E - 9 Errors |
| FEC | RS (204, 188) |

| Frequency Sweep | |
|---------------------|------------------------|
| Range | 5 MHz ~ 120 MHz (CW) |
| Step | 10 kHz ~ 1 MHz |
| Frequency Interval | 10 ms |
| Level Flatness | <2.0 dB |
| Others | |
| Advance Setup | 5 |
| Communication Port | RS 232 C |
| Working Temperature | -20 °C ~ 50 °C |
| Dimension | 218 mm × 95 mm × 49 mm |
| Weight | 800 g |
| Working time | >4 Hours |

Key Features

- Wide frequency covers return path
- Large level dynamic range
- Multi-function module: RF, Pulse, Sweep
- Parameter setup memory