



High Performance Voltage Controlled Amplifiers
Typical and Guaranteed Specifications—50 Ω System



| Model | Frequency Range MHz | Small Signal Gain dB | | | AGC Range dB | Noise Figure dB | | | Power Output At 1dB Compression dBm | | | Response Time (μs) | AGC Control | | SWR In/Out | | D.C. | |
|--|---------------------|----------------------|------------|--------------|--------------|-----------------|------|------------|-------------------------------------|------|------------|--------------------|--------------|---------|------------|------------|--------------|------------|
| | | Typ. | Min. 0/50C | Min. -55/85C | | Typ. | Typ. | Max. 0/50C | Max. -55/85C | Typ. | Min. 0/50C | | Min. -55/85C | Volts | I(mA) Typ. | Max. 0/50C | Max. -55/85C | Volts Nom. |
| Available in TO-8 Attenuator, TO-3 and SMA Packages (depending on model) • Vc = 0 | | | | | | | | | | | | | | | | | | |
| AGC230 | 20-250 | 46.0 | 42.0 | 40.0 | 50.0 | 5.0 | 6.0 | 6.5 | 8.5 | 7.5 | 7.0 | 10 | 0 to 5 | 0 to 14 | 2.0 | 2.0 | 15 | 62 |
| AGC-330 | 5-300 | 22.0 | 20.0 | 18.0 | 36.0 | 4.0 | 5.0 | 6.0 | 1.0 | 0.0 | -1.0 | 5 | 0 to 5 | 0 to 60 | 1.7 | 2.0 | 15 | 25 |
| AGC525 | 10-500 | 25.5 | 24.5 | 24.0 | 30.0 | 5.0 | 6.0 | 6.5 | 11.0 | 10.0 | 9.5 | 10 | 0 to 5 | 0 to 10 | 2.0 | 2.0 | 15 | 45 |
| AGC-553 | 10-500 | 44.0 | 40.0 | 40.0 | 45.0 | 6.0 | 8.0 | 9.0 | 0.0 | -4.0 | -6.0 | 25 | 0 to 5 | 0 to 12 | 2.0 | 2.0 | 15 | 50 |
| AGS555 | 10-500 | 27.0 | 26.0 | 25.5 | 30.0 | 5.0 | 6.0 | 6.5 | 11.5 | 10.0 | 9.5 | 10 | 0 to 5 | 0 to 10 | 2.0 | 2.0 | 5 | 45 |
| AGC1025 | 10-1000 | 21.5 | 20.5 | 19.0 | 25.0 | 5.2 | 6.0 | 6.5 | 9.0 | 8.0 | 7.0 | 10 | 0 to 5 | 0 to 10 | 2.0 | 2.0 | 15 | 50 |
| AGC-1053 | 10-1000 | 22.0 | 18.0 | 17.0 | 35.0 | 11.0 | 12.0 | 13.0 | 8.0 | 5.0 | 3.0 | 25 | 0 to 5 | 0 to 12 | 2.0 | 2.0 | 15 | 90 |
| AGS2520 | 700-2500 | 5.5 | 4.8 | 4.3 | 20.0 | 5.5 | 6.0 | 6.5 | 15.0 | 14.5 | 14.0 | 3 | 0 to 5 | 0 to 10 | 1.8/2.1 | 2.0/2.2 | 5 | 60 |

VOLTAGE CONTROLLED AMPLIFIERS

Current data sheets available on website.