

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

Current data sheets available on website.