



## 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.	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.	mA Typ.
<b>Available in TO-8 Attenuator and SMA Packages • V<sub>c</sub> = 0</b>																		
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
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
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
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

## MTS High Performance Voltage Controlled Amplifiers

Guaranteed Specifications at 25°C Case Temperature

Model	Frequency Range (MHz)	AGC Gain (dB) Typ./Min.	AGC Range (dB) Typ.	AGC Voltage Range (Volts)	Noise Current Range (mA)	Max. Gain Figure (dB) Typ./Max.	Power Output at 1 dB Typ. Comp. (dBm) Min.	Response Time (μsec)	Bias Voltage (VDC)	Bias Current (mA)	Typ. VSWR	Case Type
<b>Gain Controllable Amplifiers • Available in TO-8 and TO-3 Packaging</b>												
AGC-330	5-300	22/20	36	0 to 5	0 to 60	4.0/5.0	0	1.5	15	25	<2.0	TO-3
AGC-553	10-500	44/40	45	0 to 5	0 to 12	6.0/8.0	-4	25	15	50	<2.0	TO-8F
AGC-1053	10-1000	22/18	35	0 to 5	0 to 12	11.0/12.0	+5	25	15	90	<2.0	TO-8F