

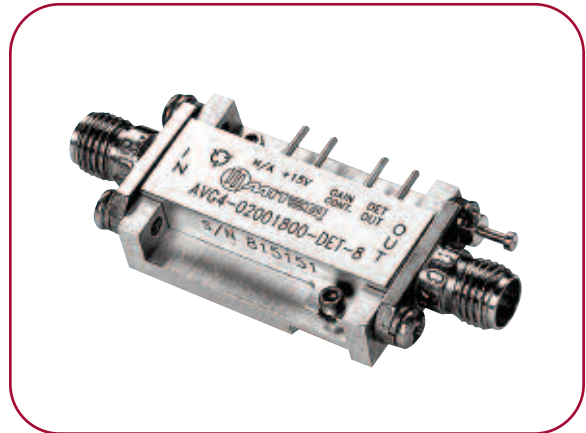
GAIN CONTROL WITH POWER MONITORING SERIES

FEATURES

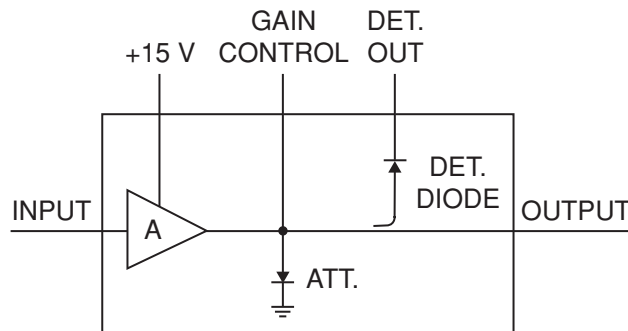
- 15 dB minimum gain control
- Continuous power monitoring
- Hermetically sealed unit
- Diode detector for sampling the output power
- Removable SMA connectors and test fixture for drop-in use

OPTIONS

- Military screening for high reliability programs
- Instrumentation configuration available
- Custom designs for higher power out is available



BLOCK DIAGRAM



MODEL NUMBER	FREQUENCY RANGE (GHz)	GAIN (dB, Min.)	GAIN FLATNESS (\pm dB, Max.)	NOISE FIGURE (dB, Max.)	VSWR IN/OUT (Max.)	OUTPUT POWER @ 1 dB COMP. (dBm, Min.)	NOM. DC POWER (+15 V, mA)
AVG4-00100800-DET-8	0.1–8	26	1	2.8	2:1	10	175
AVG4-00101200-DET-8	0.1–12	26	1.25	3	2:1	10	185
AVG4-00101800-DET-8	0.1–18	26	2.5	3.5	2.5:1	10	180
AVG4-04000800-DET-8	4–8	32	1	1.8	2:1	10	125
AVG4-08001200-DET-8	8–12	28	1	2	2:1	10	125
AVG4-02000800-DET-8	2–8	28	1	2.5	2:1	10	175
AVG4-02001800-DET-8	2–18	26	2.5	3	2.5:1	10	180

NOTES: The detected output voltage range can be from 0 to 600 mV depending on power output.
 The gain control range is 0 to 15 dB.
 Specifications are with 0 dB of attenuation.
 See page 70 for outline.