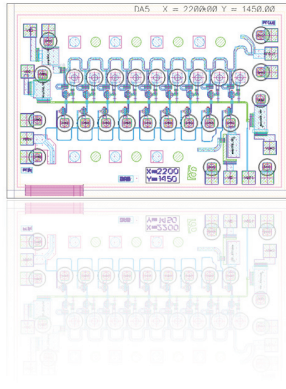




RFMD[®]

GaAs Distributed Driver Amplifier Series

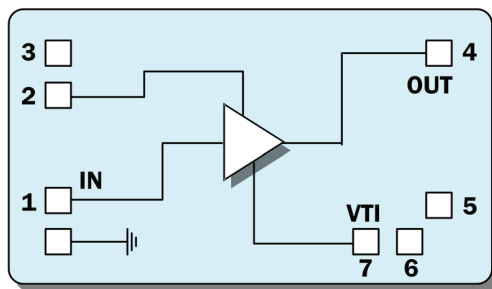


RFMD introduces a new line of directly coupled (DC) GaAs microwave monolithic integrated circuit (MMIC) distributed amplifier die designed to support a variety of high-frequency commercial, military, and space applications. Operating in the DC to 35 GHz range, these amplifiers are ideally suited for wideband amplifier gain blocks, modulators, clock drivers, broadband test equipment (ATE), Mach Zehnder Modulated (MZM) laser drivers, instrumentation, and more.

SPECIFICATIONS

Part Number	Freq Range (GHz)	Gain (dB)	NF (dB)	P1dB (dBm)	IP3 (dBm)	Vdc (V)	Id (mA)	Package (dim. in mm)
SDA-1000	DC to 20	14	4.0	25	36	8.0	300	Die, 3.1 x 1.45 x 0.102
SDA-2000	DC to 22	12	5.3	27	38	8.0	410	Die, 3.1 x 1.45 x 0.102
SDA-3000	DC to 24	16	2.1	23	34	8.0	160	Die, 3.1 x 1.45 x 0.102
SDA-4000	DC to 26	14	3.0	19	29	5.0	160	Die, 3.1 x 1.45 x 0.102
SDA-5000	DC to 35	11	3.0	15	26	6.5	100	Die, 2.2 x 1.45 x 0.102

Sample Availability: Now
Mass Production: August 2009



FEATURES

- Up to 35 GHz wideband operation
- Excellent peak to peak voltage capability
- Unconditional stable
- P1 dB: 17, 20, 24, 25, 26 dBm
- Gain = 13 to 17 dB
- NF ~ 2 to 3 dB at mid-band
- Chip size = 3.1 x 1.45 mm²

For sales or technical support, contact your authorized local sales representative (see www.rfmd.com/globalsales).

Register to receive RFMD's latest product releases with our new Email Component Alerts at www.rfmd.com/emailalert.



This product complies with RFMD's green packaging standards.

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