

AMP-03

**BROADBAND AMPLIFIER
GAIN BLOCK .001 - 3.5 Ghz**

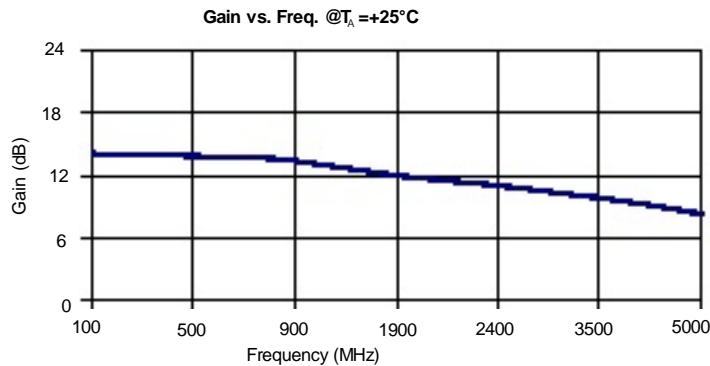
Product Description

DKD Instrument's modular broadband RF block amplifiers are designed to be a low cost, high performance solutions to new designs or production replacements. The AMP-03 amplifier can operate from a 10 volt power source and cover a frequency range from .001 - 3.5Ghz.

All modular series components are prepackaged in a RF sealed enclosure with SMA(F) connectors for both input and output. Power is supplied to the module through a EMI filtered feed-through.

Features

- **Broadband .001 - 3.5 Ghz**
- **Low Noise - 3.7dB@ 1GHz**
- **Single Supply - (+10v)**
- **DC Isolated**
- **Small Enclosure**
- **SMA(F) Connectors IN/OUT**



Electrical Specifications , 10V @45ma

T_a = +25j C

Parameter	Vcc = +10v			Units
	Min	Typ	Max	
Frequency Range		.001 to 3.5		Ghz
Gain @ 1.0 GHz	12	13.5		dB
Gain Variation Over Temperature				dB/Tc
Input Return Loss @ 1.0 GHz		20		dB
Output Return Loss @ 1.0GHz		24		dB
Reverse Isolation		18		dB
Output Power for 1dB Compression (P1dB) @ 1.0 GHz		15		dBm
Output Third Order Intercept (Psat) @ 1.0 GHz		29		dBm
Noise Figure		3.7		dB
Maximum Input Power		13		dBm
Supply Current (Icc)		45		mA