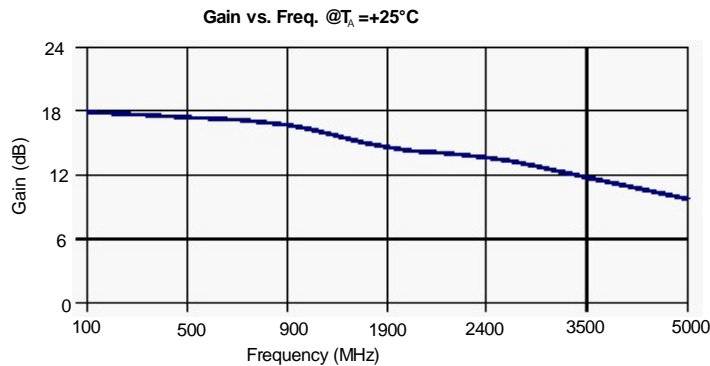


Product Description

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-02 amplifier can operate from a 10 volt power source and cover a frequency range from .001 - 2.5Ghz.

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 - 2.5 Ghz**
- **Low Noise 3dB @ 1GHz**
- **Single Supply (+10v)**
- **DC Isolated**
- **Small Enclosure**
- **SMA(F) Connectors IN/OUT**



Electrical Specifications , 10V @45ma

$T_A = +25^\circ\text{C}$

Parameter	Vcc = +10v			Units
	Min	Typ	Max	
Frequency Range		.001 to 2.5		Ghz
Gain @ 1.0 GHz	15	16.5		dB
Gain Variation Over Temperature				dB/Tc
Input Return Loss @ 1.0 GHz		12		dB
Output Return Loss @ 1.0GHz		12		dB
Reverse Isolation		21		dB
Output Power for 1dB Compression (P1dB) @ 1.0 GHz		15		dBm
Output Third Order Intercept (Psat) @ 1.0 GHz		28		dBm
Noise Figure @ 1 GHz		3.0		dB
Max. Input Power		10		dBm
Supply Current (Icc)		45		mA