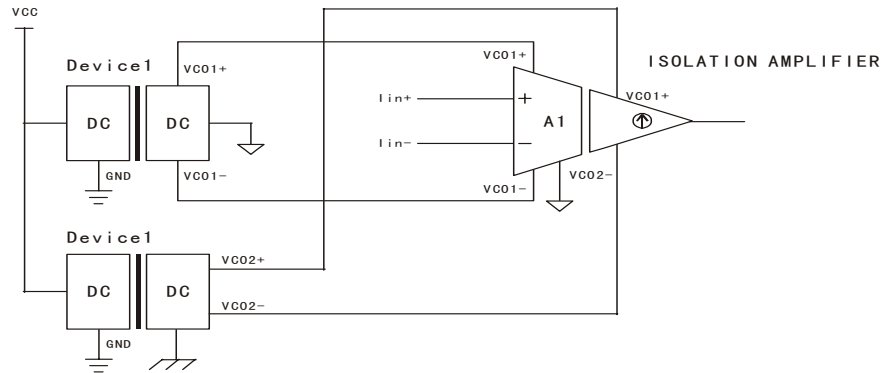


OPERATIONAL AMPLIFIER POWER SOURCE APPLICATION



FEATURES

- In this circuit, we take for example where DC-DC module is used as power source of isolation amplifier, and where the amplifier's operation voltage is +/-5V.
- The use of DC-DC module and photounits restrains surrounding EMI, eliminates ground loop, and protects the circuit system free interference from outside circuits. The modules provide a stable, high reliability power source as well.

DC-DC POWER MODULE SELECTION GUIDE

SYSTEM POWER SUPPLY	GENERAL APPLICATION				LOW NOISE APPLICATION	
	1000VDC ISOLATION		300VDC ISOLATION		1000VDC ISOLATION	
	PART NUMBER	PACKAGE	PART NUMBER	PACKAGE	PART NUMBER	PACKAGE
5V	A0505S-1W A0505D-1W A0505(X)T-1W	SIP DIP SMD	E0505S-1W E0505D-1W E0505T-1W	SIP DIP SMD	IA0505S-1W	SIP
12V	A1205S-1W A1205D-1W A1205(X)T-1W	SIP DIP SMD	E1205S-1W E1205D-1W E1205T-1W	SIP DIP SMD	IA1205S-1W	SIP
24V	A2405S-1W A2405D-1W A2405(X)T-1W	SIP DIP SMD	E2405S-1W E2405D-1W	SIP DIP	IA2405S-1W	SIP

NOTES:

- Axxxxx-1W is fixed input, isolated, unregulated dual output series
- IAxxxxx-1w is fixed input, isolated, regulated dual out put series.
- Exxxxx-1w is fixed input, high-isolation, unregulated dual output series

Notes:

- The application above is made while assuming operation voltage of the amplifier's is +/-5V. For +/-9V +/-12V or +/-15V applications please choose Mornsun's corresponding products.
- The capacitor C2 and C3 which attached to output of DC-DC modules could not be large, generally can not exceed 4.7uF, **and for models with ±12V or ±15V output voltage the capacitance of C2 and C3 shall not exceed 2.2uF**, otherwise the modules may have problem while starting.
- To further reduce the power loss, please use low loss components.
- For special requirements please contact us:

Tel: (978)567-9610 or Fax: (978)567-9601

Website: <http://www.mornsunamerica.com>

E-mail: sales@mornsunamerica.com