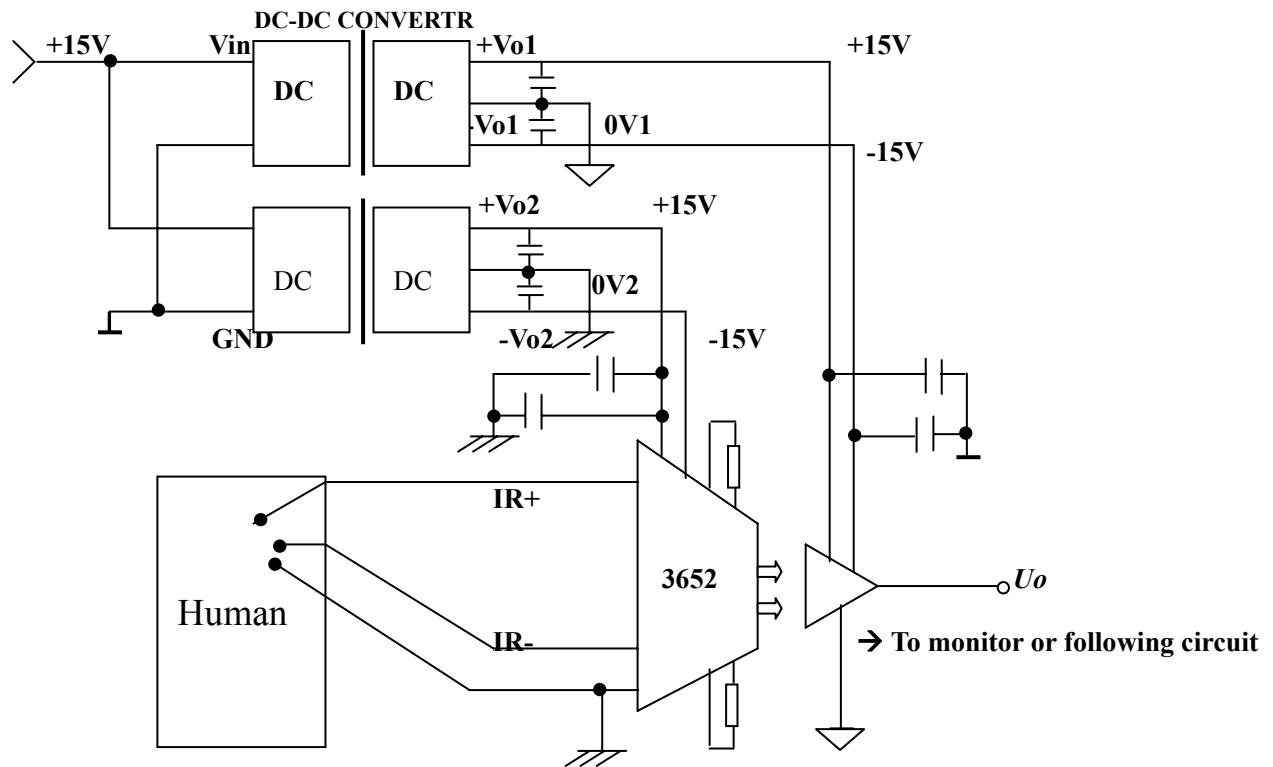


MEDICAL MONITOR SPECIAL APPLICATION CIRCUIT

ECG MONITOR APPLICATION



FEATURES

- a. The schematic above is an application of 3652 used in ECG monitor system. The circuit uses a connection method with balanced input. It has a high common mode and differential input impedance, which reduces common mode noise caused by imbalanced cable impedance, which is very common in monitor equipments.
- b. Due to DC-DC module G1515S-1W, 3652's ground wire that contacted with patients is completely isolated from that of input power source. In addition, 3652 allows continuous 2000VDC isolation voltage between input and output side, and 5000V nonperiodic pulse voltage, ensures patients' safety. In this circuit, Mornsun's 6000VDC isolation products is highly recommended. (its isolation capacitance is very low, less than 10pF)

DC-DC POWER MODULE SELECTION GUIDE

SYSTEM POWER SUPPLY	RECOMMENDED APPLICATION (6000VDC)	
	PART NUMBER	PACKAGE
5V	G0515S-1W	SIP
	G0515D-1W	DIP
12V	G1215S-1W	SIP
	G1215D-1W	DIP
24	G2415S-1W	SIP
	G2415D-1W	DIP

Notes:

- a. The application above is made while assuming operation voltage of isolation amplifier is +/-15V. For ±5V, ±9V or ±12V applications please choose Mornsun's corresponding products.

- b. The capacitor C2 and C3 which attached to output of DC-DC modules could not exceed 1uF, otherwise the modules may have problem while starting.
- c. To further reduce the power loss, please use low LOSS components.
- d. 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