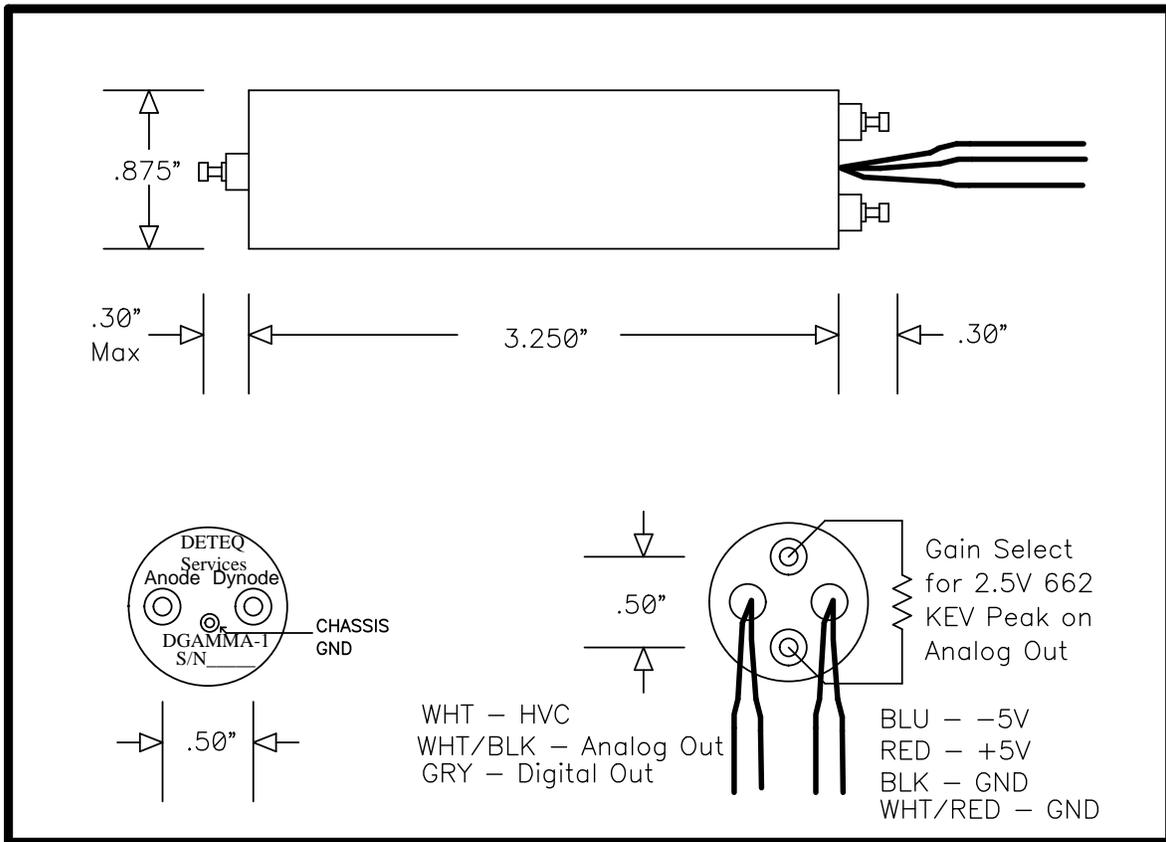




DGAMMA GAMMA MODULE



DESCRIPTION:

The DGAMMA Gamma Modules are a high temperature charge amplifier with baseline restorer. It is designed to operate with PMT's (photomultipliers) operating at positive or negative high voltage generated by the DETEQ DHVPS high voltage (HV) power supplies. The module has internal open loop temperature compensation which increases the HVC (high voltage control) by ~1.20V from 25C to 175C compensating for the gain loss of PMT's at elevated temperatures. Initial PMT operating voltage is set by an external gain resistor mounted on terminals. The gain resistor is selected such that the 662kev Cs137 peak is at 2.5V. Customized modules are available upon request.

SPECIFICATIONS

Electrical:

Input Voltage: +5V and -5V
Input Current: <10ma either supply
Output Analog Signal: Typical 2.5V @ 662KEV
Output Digital: 0 to 5V pulse
Threshold: +0.25V = 66.2KEV

Mechanical:

Diameter: .875"
Length: 3.25" (without terminals)
Weight: 2.5 oz

Environmental:

Shock: 200G, ½ Sine, 5ms
Vibration: 25G, 250hz Random
Temperature: 175°C Standard

Contact DETEQ Services @ 281 828-3030 or
info@deteqservices.com for price breaks and availability.