EQ-711L

EQ-711L is composed of an InAs Quantum Well Hall Element and a signal processing IC chip in a package. Notice: It is requested to read and accept "IMPORTANT NOTICE" written on the back of the front cover of this catalogue.

Operational Characteristics

Absolute Maximum Ratings (Ta=25°C)

Functional Block Diagram

Magnetic and Electrical Characteristics (Ta=25°C Vcc=5V)

(*) : design targets
(**) : for reference only

1 [mT]=10 [Gauss]
• Please be aware that our products are not intended for use in life support equipment, devices, or systems. Use of our products in such applications requires the advance written approval of our sales staff.

Certain applications using semiconductor devices may involve potential risks of personal injury, property damage, or loss of life. In order to minimize these risks, adequate design and operating safeguards should be provided by the customer to minimize inherent or procedural hazards. Inclusion of our products in such applications requires the advance written approval of our sales staff.

• This product contains gallium arsenide (GaAs). Handling and discarding precautions required.

### Package (Unit: mm)

- The sensor center is located within the φ0.3mm circle.

### Supply Voltage

- Chart showing supply voltage vs. ambient temperature.

### Operational Characteristics

- Chart showing output voltage vs. magnetic flux density.

### Temperature dependence of VH

- Chart showing magnetic sensitivity vs. ambient temperature.

### (For reference only) Temperature dependence of Vout0

- Chart showing Vout0 vs. ambient temperature.
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