

# New!

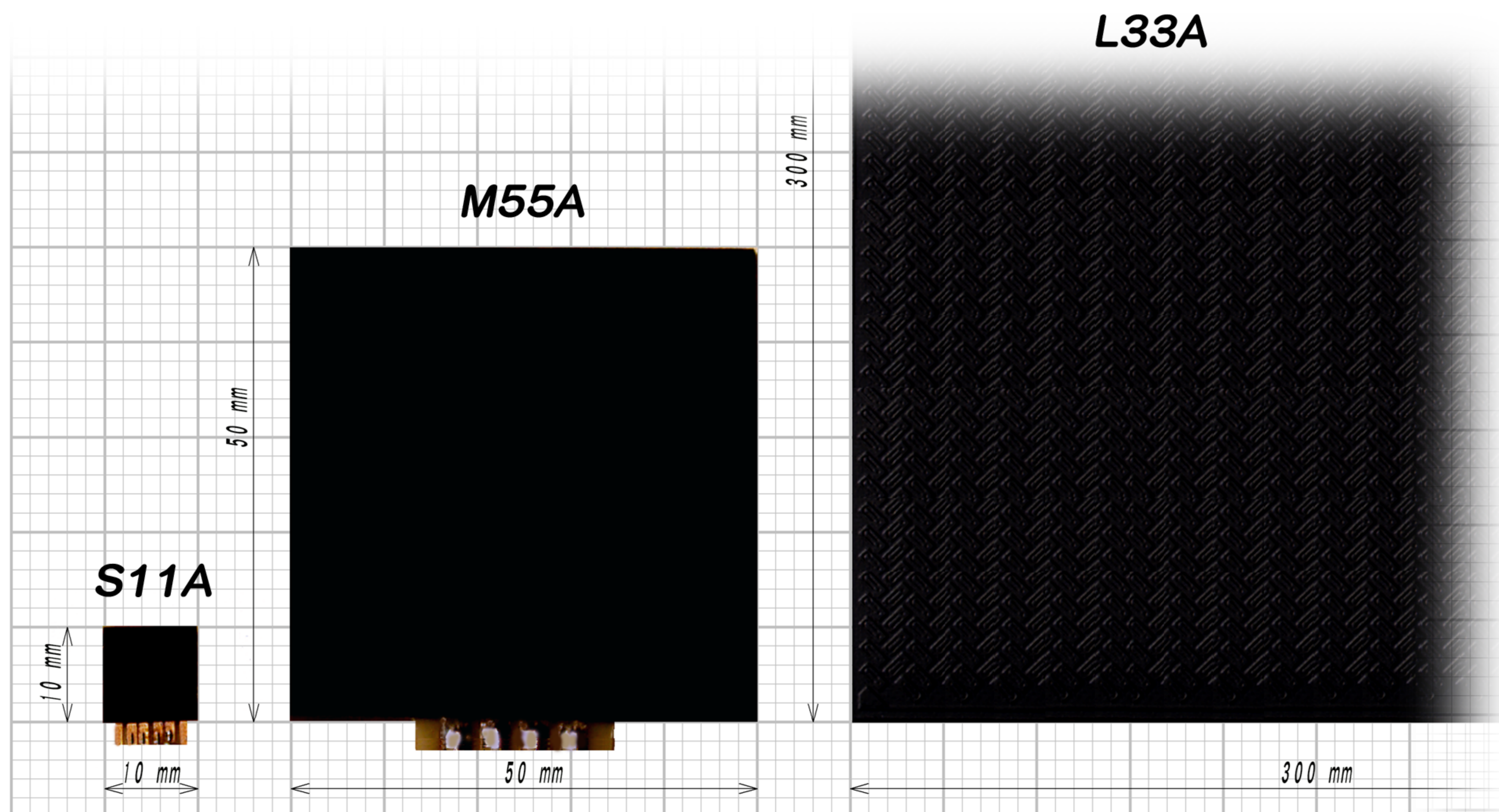
## HEAT FLOW SENSOR S11A, M55A & L33A

Eto Denki proudly introduces a series of novel heat flow sensors of thermopile type. Responding to variety of applications, the flow sensors in 10mm square(S11A), 50mm square(M55A) and 300mm square(L33A) are available. Sensors of all sizes equally exhibit high sensitivities and excellent stabilities.

Objects that need to be measured are wide-ranging, but common among all applications is that the heat flow sensor is placed either on the surface of the object or inside, and lateral heat flux is measured.

The heat flow sensor measures and outputs thermal energy density (Watt/m<sup>2</sup>) as density of thermal flux (mV/(Watt/m<sup>2</sup>)xcoef.).

The typical values are 0.08, 0.01, 0.001 (mV/(Watt/m<sup>2</sup>)) for 300sq, 50sq, 10sq sensors respectively. The novel heat flow sensor is designed mainly for measuring, evaluating, analyzing and managing thermal insulation efficiency. **M55A** is good for general-purpose applications for measuring, evaluating, analyzing and managing thermal insulation performances. **L33A** is good for measuring total heat flow on the floor or wall surface, while **S11A** is for measuring heat flux distribution within an instrument.



### 熱流センサー S11A M55A L33A のご紹介

今回、江藤電気は新しく開発したサーモパイル型の熱流センサーを発売いたします。多様な計測に対応して1 cm角(S11A)、5 cm角(M55A)、30 cm角(L33A)の3種類の熱流センサーが用意され、いずれも高い感度と安定性を特徴としています。

熱流センサーの測定対象は多岐にわたりますが、いずれも対象物の表面或いは内部に取り付け、センサーと同一の面に直交して流れる単位面積あたりの熱エネルギー(Watt/m<sup>2</sup>)を熱流束密度(mV/(Watt/m<sup>2</sup>) x 感度定数)として測定し電圧出力します。

熱流センサー S11A、M55A、L33A の基準感度はそれぞれ 0.001, 0.01, 0.080 (mV/(Watt/m<sup>2</sup>))です。M55Aは、一般的な断熱性能の測定、評価、解析、管理などにご利用いただけます。またL33Aは床面、壁面などの総貫流熱量を、S11Aは機器の熱流分布の測定に有効です。