

# TPS 535

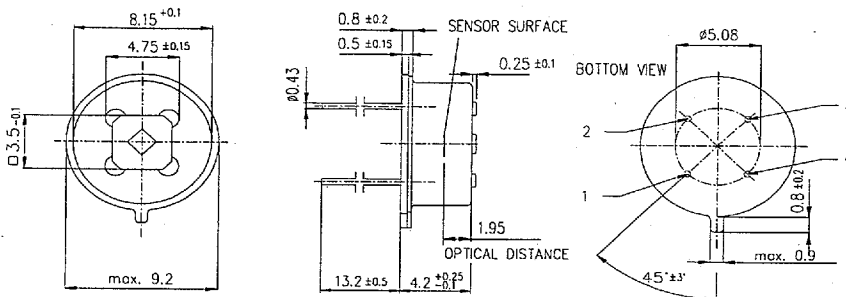
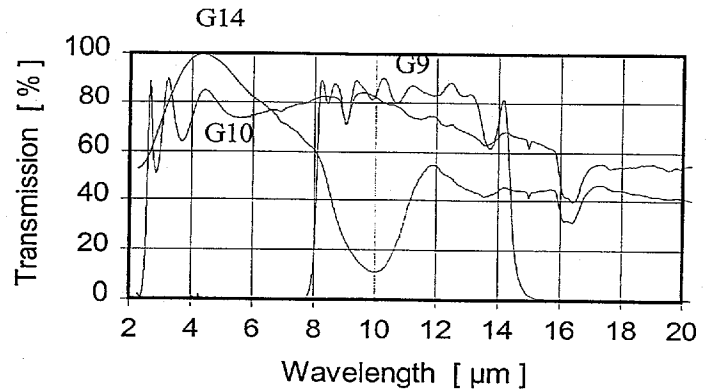
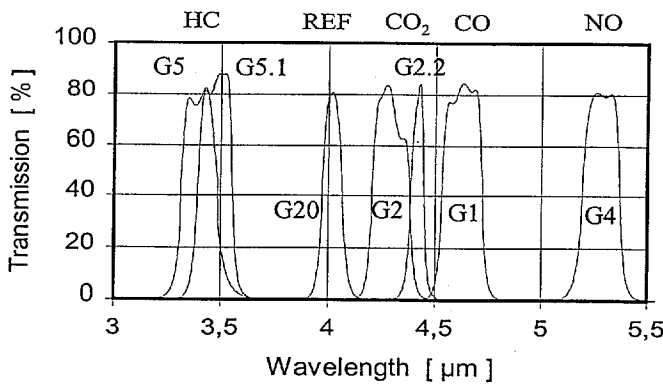
- 1,2 x 1,2 mm<sup>2</sup> Sensitive Area
- 87 Thermoelements in Series
- Low Temperature coefficient of Sensitivity
- Available with narrow band filters

The thermopile detector TPS 535 consists of a series of thermoelements in series forming a sensitive area of 1,2 x 1,2 mm<sup>2</sup>. The sensor is hermetically sealed into a housing, similar to TO-39, with optical filter. The standard filter is 5,5...14 μm broadband window, additional narrow band filters are available. The Series TPS 535 is an thermopile design, additionally fit with a thermistor temperature reference.

Type	Centre Wave Length CWL (μm)	HPB (μm)
TPS 535 G1	4,64 (±1,0%)	0,18 (±0,02%)
TPS 535 G2	4,26 (±1,0%)	0,18 (±0,02%)
TPS 535 G2.2	4,43 (+1,0%)	0,06 (±0,005%)
TPS 535 G4	5,30 (±1,0%)	0,18 (±0,02%)
TPS 535 G5	3,40 (±2,0%)	0,18 (±0,02%)
TPS 535 G5.1	3,46 (±1,5%)	0,163 (±0,01%)
TPS 535 G7	10,90 (±0,5%)	0,24 (±0,03%)
TPS 535 G20	4,00 (±2,0%)	0,09 (±0,02%)

Type	Transmission Range
TPS 535 G9	8-14 μm
TPS 535 G10	3-13 μm
TPS 535 G14	3-5,0 μm

The electrical data are identical to TPS 524/534.



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