



General Information

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|----------------|---|
| Series | QGSM |
| Type | Gas Detection |
| Style | SMD |
| Description | 12C Gas Sensor Module |
| Features | Small SMD Package, 12C Communication Compatible, High Dynamic Range |
| RoHS | With Exemptions |
| REACH | SVHC (PZT - CAS 12626-81-2) |
| Qualifications | REACH |
| MSL | 3 |

Specifications

| | |
|----------------------|--|
| Temperature Range | -40/+85°C |
| Power Supply Voltage | 1.75 - 3.6 V |
| Current | 1 - 23 uA (Supply Current, Typical) |
| Miscellaneous | Includes sensor: USEQGSEH950180. |
| D* | $2.5 \times 10^8 \text{ cm} \sqrt{\text{Hz}} / \text{W}$ |
| NEP | $2.7 \times 10^{-10} \text{ W}/\sqrt{\text{Hz}}$ |
| Time Constant | 10ms (10-20 Hz peak) |
| Field of View | 90 degrees |
| Element Size | 0.64mm x 0.64mm |
| Filter | 9.5um, BW: 400nm, Sugar, Ethanol |

Dimensions

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|----|------------|
| L | 13.8mm NOM |
| W | 16mm NOM |
| L2 | 10mm |

Packaging Specifications

| | |
|--------------------------|--------|
| Packaging Quantity | 1 |
| Typical Component Weight | 5.41 g |