



General Information

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| Series | QFSM |
| Type | Flame Detection |
| Style | SMD |
| Description | 12C Flame Sensor Module |
| Features | Small SMD Package, 12C Communication Compatible |
| RoHS | With Exemptions |
| REACH | SVHC (PZT - CAS 12626-81-2) |
| SCIP Number | f8c5f819-a3bd-41c4-887e-bd5dcb8c5edf |
| Qualifications | REACH |
| Notes | The module, in order to be evaluated, can be used with the control board USEQCSK0000000 for prototyping purpose. |
| MSL | 3 |

Dimensions

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

Packaging Specifications

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|--------------------------|-------|
| Packaging | Bulk |
| Typical Component Weight | 5.4 g |

Specifications

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|----------------------|---|
| Temperature Range | -40/+85°C |
| Power Supply Voltage | 1.75 - 3.6 V |
| Current | 1 - 23 uA (Supply Current, Typical) |
| Miscellaneous | Sensor Type: Single. Includes sensor: USEQFSEA391180. |
| 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 Aperture | d = 1.65 mm |
| Filter | 3.91 um (rejection channel) |

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