



Click [here](#) for the 3D model.

**General Information**

|                |  |
|----------------|--|
| Series         | QFS  |
| Type           | Flame Detection                                    |
| Style          | SMD  |
| Description    | 12C  |
| Features       | Small SMD Package, 12C<br>Communication Compatible |
| RoHS           | With Exemptions                                    |
| REACH          | SVHC (PZT - CAS 12626-81-2)                        |
| SCIP Number    | f8c5f819-a3bd-41c4-887e-bd5<br>dcb8c5edf           |
| Qualifications | REACH  |
| MSL            | 3  |

**Specifications**

|                      |  |
|----------------------|--|
| Temperature Range    | -40/ +85°C   |
| Power Supply Voltage | 1.75 - 3.6 V   |
| Current              | 1 - 23 uA (Supply Current,<br>Typical)                   |
| Miscellaneous        | Flame channel (wide FoV).<br>Sensor Type: Single.        |
| 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               | 4.64 um (flame channel with<br>wide FoV)                 |

**Dimensions**

|   |            |
|---|------------|
| L | 5.65mm NOM |
| W | 3.7mm NOM  |
| T | 1.55mm MAX |

**Packaging Specifications**

|                          |            |
|--------------------------|------------|
| Packaging                | T&R, 178mm |
| Packaging Quantity       | 800        |
| Typical Component Weight | 70 mg      |

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