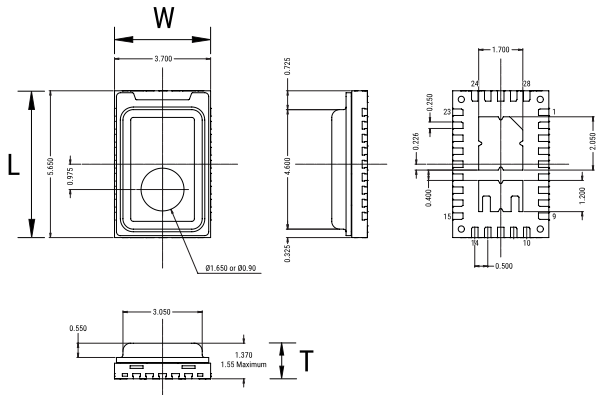
# KEMET Part Number: USEQFSEA50L180

(USEQFSEA50L180)

KEMET, QFS, Flame Detection, SMD, Infrared, Small SMD Package, 12C Communication Compatible




| General Information | |
|---|---|
| **Series:** | QFS |
| **Type:** | Flame Detection |
| **Style:** | SMD |
| **Description:** | 12C |
| **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 |
| **MSL:** | 3 |

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

| Packaging Specifications | |
|---|---|
| **Packaging:** | T&R, 178mm |
| **Packaging Quantity:** | 800 |
| **Component Weight:** | 70 mg |

| Specifications | |
|---|---|
| **Temperature Range:** | -40/+85°C |
| **Power Supply Voltage:** | 1.75 - 3.6 V |
| **Current:** | 1 - 23 uA (Supply Current, Typical) |
| **Miscellaneous:** | Human motion rejection. Sensor Type: Single. |
| **D*:** | 2.5 x 10^8 cm sqrt(Hz)/ W |
| **NEP:** | 2.7 x 10^-10 W/sqrt(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:** | 5 um long pass (human motion rejection) |

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