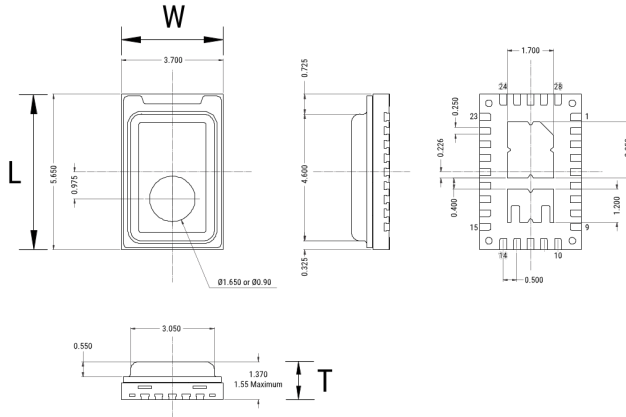


USEQGSEAN8L180

Aliases (USEQGSEAN8L180)

KEMET, QGS, Gas Detection, SMD, Infrared, Small SMD Package, 12C Communication Compatible, High Dynamic Range



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

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 |

General Information

| | |
|----------------|---|
| Series | QGS |
| Type | Gas Detection |
| Style | SMD |
| Description | 12C |
| Features | Small SMD Package, 12C Communication Compatible, High Dynamic Range |
| RoHS | With Exemptions |
| REACH | SVHC (PZT – CAS 12626-81-2) |
| SCIP Number | bc4e3452-d0d0-4c97-93bd-778b4e41f2f2 |
| 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) |
| 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 | 5.3um, BW: 180nm, Gas: NO |