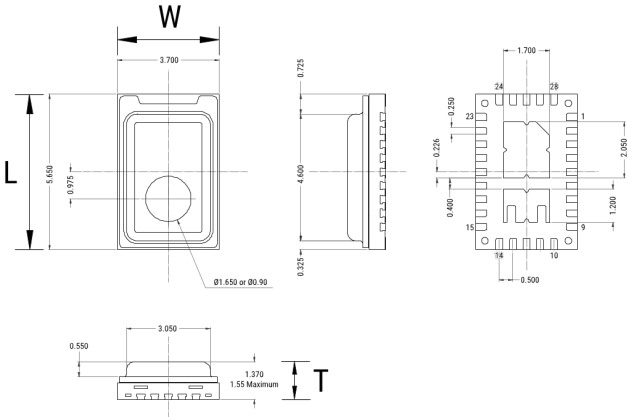


USEQGSEAN8L180

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 x 10 <sup>-8</sup> cm sqrt(Hz)/ W |
| NEP                  | 2.7 x 10 <sup>-10</sup> W/sqrt(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             |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.