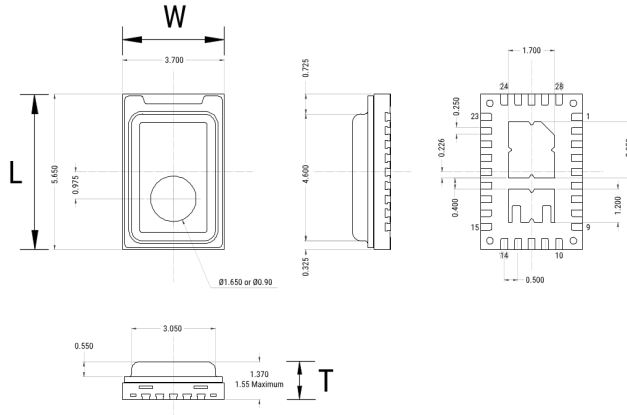


USEQGSEAC82180

Aliases (USEQGSEAC82180)

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
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	4.26um, BW: 180nm, Gas: CO2

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.