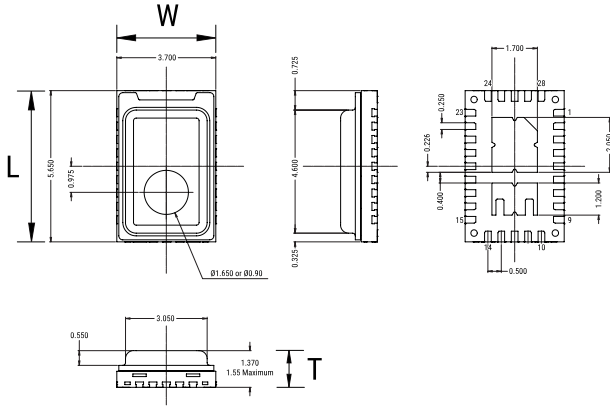


# USEQGSEAC82180

Aliases (USEQGSEAC82180)  
 KEMET, QGS, Gas Detection, SMD, Infrared, Small SMD Package, 12C  
 Communication Compatible, High Dynamic Range



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

## 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-77 8b4e41f2f2
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

## 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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