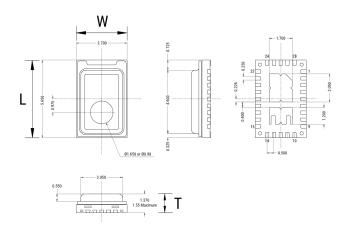


## **USEQGSEAC82180**

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	
Т	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*	$2.5 \times 10^8 \text{ cm sqrt(Hz)/W}$
NEP	$2.7 \times 10^{-10} \text{ W/sqrt(Hz)}$
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

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