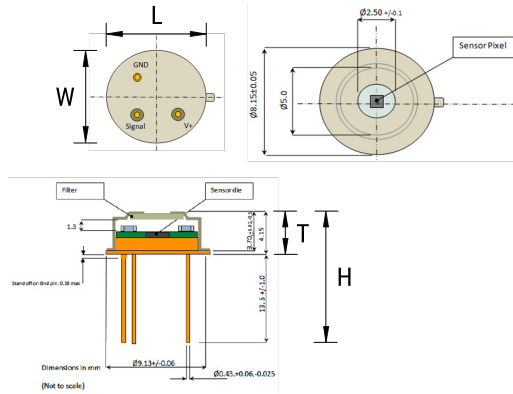


KEMET Part Number: USEQGCCAC82S00
(USEQGCCAC82S00)

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KEMET, QGC, Gas Detection, TO39, Infrared, Fast, Wide Operating Frequency Range, Analog Output, Integrated op amp



Dimensions	
L	9.13mm +/-0.06mm
W	9.13mm +/-0.06mm
H	17.65mm +/-1mm
T	4.15mm NOM

Packaging Specifications	
Packaging:	Bulk
Weight:	930 mg

General Information	
Series:	QGC
Type:	Gas Detection
Style:	TO39
Description:	Analog output gas sensor
Features:	Fast, Wide Operating Frequency Range, Analog Output, Integrated op amp
RoHS:	With Exemptions
REACH:	SVHC (PZT – CAS 12626-81-2)
SCIP Number:	9074c9fd-06c9-4bc8-bb2f-04f9793401ba
Qualifications:	REACH

Specifications	
Temperature Range:	-40/+85°C
Power Supply Voltage:	2.7 - 8.0 V
Microphonics:	S(vib) ~2 µV/sqrt(Hz) (at 10 Hz)
Noise:	Mean 70 µV sqrt(Hz)
D*:	3.5 x 10 ⁸ cm sqrt(Hz)/ W
Time Constant:	12ms
Element Size:	1000um x 1000um
Filter Aperture:	2.5 mm diameter
Filter:	Detection: CO2 (Special)
Responsivity:	150,000 V/W

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.

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