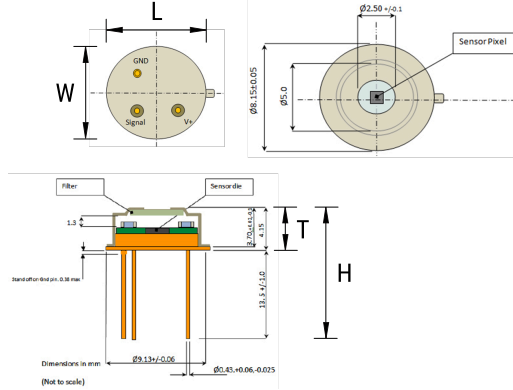


KEMET Part Number: USEQCCAC82N00
(USEQCCAC82N00)



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
Component 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 (Narrow)
Responsivity:	150,000 V/W

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