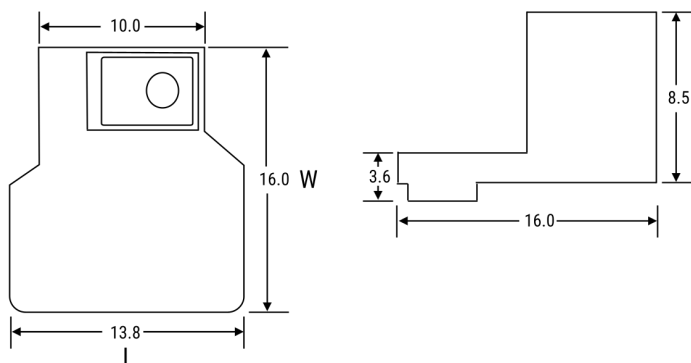


USEQGSM1C82100

Aliases (USEQGSM1C82100)

KEMET, QGSM, Gas Detection, SMD, Infrared, Small SMD Package, 12C Communication Compatible, High Dynamic Range



Dimensions

L	13.8mm NOM
L2	10mm NOM
H	16mm NOM

Packaging Specifications

Packaging	Bulk
Weight	5.4 g

General Information

Series	QGSM
Type	Gas Detection
Style	SMD
Description	12C Gas Sensor Module
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)
Miscellaneous	Includes sensor: USEQGSEAC82180.
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

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