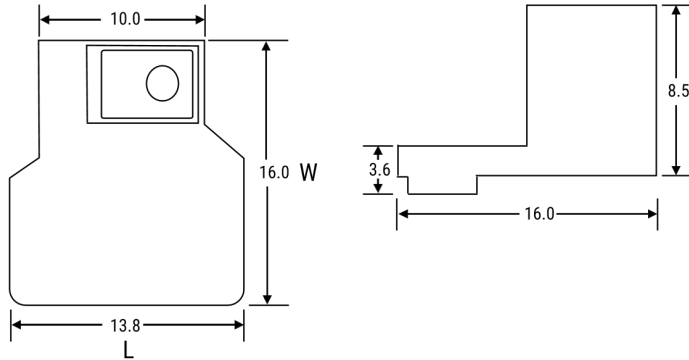


USEQGSM1CH4100

Aliases (USEQGSM1CH4100)

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



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: USEQGSEACH4180.
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	3.3um, BW: 160nm, Gas: CH4

Dimensions

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

Packaging Specifications

Packaging	Bulk
Typical Component Weight	5.4 g

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