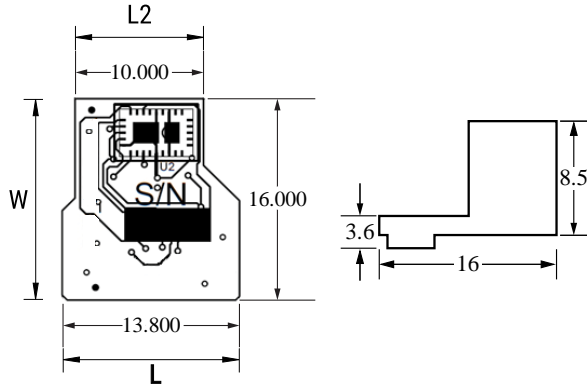


KEMET Part Number: USEQSM1N8L100
(USEQSM1N8L100)



KEMET, QGS, 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:	QGS
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: USEQGSEAN8L180.
D*:	2.5 x 10 ⁸ cm sqrt(Hz)/ W
NEP:	2.7 x 10 ⁻¹⁰ W/sqrt(Hz)
Time Constant:	10ms (10-20 Hz peak)
Field of View:	90 degrees
Element Size:	0.64mm x 0.64mm
Filter:	5.3um, BW: 180nm, Gas: NO

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.

