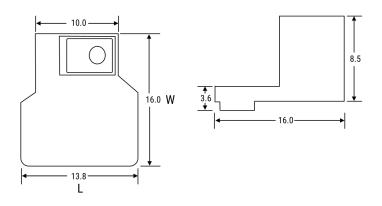


USEQGSM1N8L100

Aliases (USEQGSM1N8L100)

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



Dimensions	
L	13.8mm NOM
L2	10mm NOM
Н	16mm NOM

Packaging Specifications	
Packaging	Bulk
Component Weight	5.4 g

General Information		
Series	QGSM	
Туре	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.