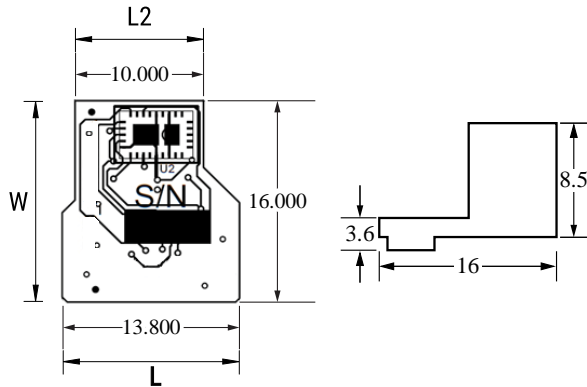


**KEMET Part Number: USEQMSM1221600**  
(USEQMSM1221600)



KEMET, QMS, Motion Detection, SMD, Infrared, Small SMD Package, 12C Communication Compatible, High Dynamic Range



General Information	
Series:	QMS
Type:	Motion Detection
Style:	SMD
Description:	12C Motion Sensor Module
Features:	Small SMD Package, 12C Communication Compatible, High Dynamic Range
RoHS:	With Exemptions
REACH:	SVHC (Pb – CAS 7439-92-1)
Qualifications:	REACH
MSL:	3

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

Packaging Specifications	
Packaging:	Bulk
Weight:	5.4 g

Specifications	
Temperature Range:	-40/+85°C
Power Supply Voltage:	1.75 - 3.6 V
Current:	1 - 23 uA (Supply Current, Typical)
Miscellaneous:	Includes sensor: USEQMSEA221680.
D*:	$5.5 \times 10^8 \text{ cm} \sqrt{\text{Hz}} / \text{W}$
NEP:	$0.4 \times 10^{-10} \text{ W}/\sqrt{\text{Hz}}$
Time Constant:	10ms (10-20 Hz peak)
Field of View:	90 degrees
Element Size:	0.057 mm x 0.057mm (4 pixels)
Filter Aperture:	d = 1.65 mm
Filter:	5.0 um Long Pass

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