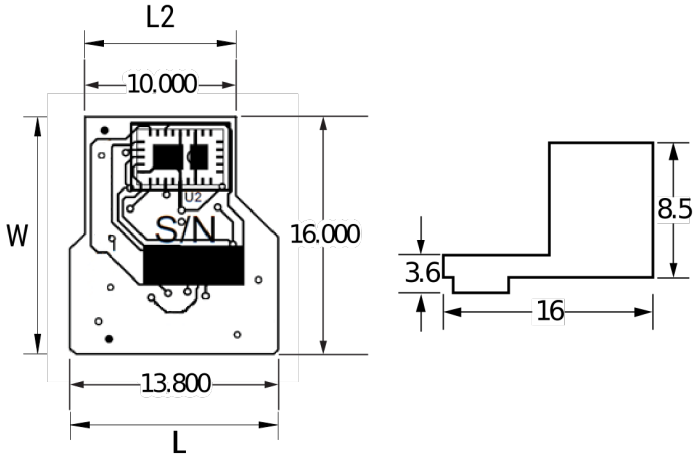


USEQMSM1011600

Aliases (USEQMSM1011600)

KEMET, QMSM, Motion 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
Typical Component Weight	5.4 g

General Information

Series	QMSM
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 (PZT - CAS 12626-81-2)
SCIP Number	4bbe8810-62a4-426f-9a2e-98d9d0d9acfe
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: USEQMSEA011680.
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	0.41 mm x 0.41mm (1 pixel)
Filter Aperture	d = 1.65 mm
Filter	5.0 um Long Pass