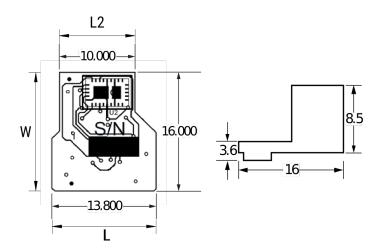


## **USEQMSM1011600**

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	
Н	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 $ 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	0.41 mm x 0.41mm (1 pixel)
Filter Aperture	d = 1.65 mm
Filter	5.0 um Long Pass

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