

# KEMET, QMS, SMD Motion Detection with Fresnel Lens Evaluation Kit, Infrared, I<sup>2</sup>C Communication Compatible, Small SMD Package, High Dynamic Range



General Information	
Series:	QMS
Type:	Motion Detection
Style:	Connector
Description:	Evaluation Kit
Kit Contains:	USEQMS motion sensor kit, sensor USEQMSEA011680, USB communications cable
REACH	SVHC (PZT – CAS 12626–81–2)
SCIP Number	4bbe8810–62a4–426f–9a2e–98d9d0d9acfe
Qualifications	REACH
RoHS:	With Exemptions

Packaging Specifications	
Packaging:	Cardboard Box
Packaging Quantity:	1
Weight:	300 g

Specifications	
Temperature Range:	–40/+85°C
Miscellaneous:	SMD motion detection with fresnel lens evaluation kit, including 1 QMS sensor
Power Supply Voltage:	1.75 – 3.6 V
Current:	1 – 23 $\mu$ A (Supply Current Typical)
D*:	$2.5 \times 10^8$ cm sqrt (Hz)/W
NEP:	$2.7 \times 10^{-10}$ W/sqrt (Hz)
Time Constant:	10 ms (10 – 20 Hz peak)
Field of View:	90 degrees
Element Size:	0.410 mm <sup>2</sup> (1 pixel)
Filter Aperture:	d = 1.65 mm

For additional sources of information, please refer to  
<https://www.kemet.com/en/us/sensors/environmental-sensors.html>