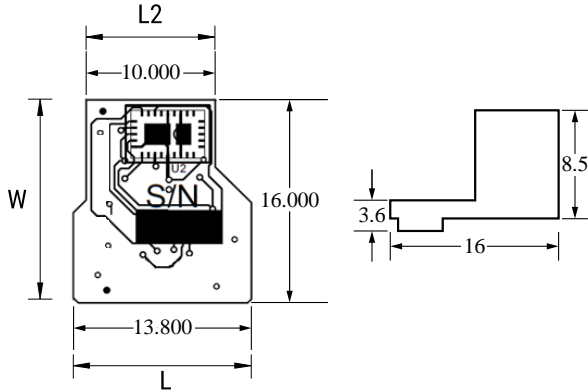


**KEMET Part Number: USEQFSM1464100**  
(USEQFSM1464100)

KEMET, QFS, Flame Detection, SMD, Infrared, Small SMD Package, 12C Communication Compatible



**Dimensions**

<b>L</b>	13.8mm NOM
<b>L2</b>	10mm NOM
<b>H</b>	16mm NOM

**Packaging Specifications**

<b>Packaging:</b>	Bulk
<b>Weight:</b>	5.4 g

**General Information**

<b>Series:</b>	QFS
<b>Type:</b>	Flame Detection
<b>Style:</b>	SMD
<b>Description:</b>	12C Flame Sensor Module
<b>Features:</b>	Small SMD Package, 12C Communication Compatible
<b>RoHS:</b>	With Exemptions
<b>REACH:</b>	SVHC (Pb – CAS 7439-92-1)
<b>Qualifications:</b>	REACH
<b>Notes:</b>	The module, in order to be evaluated, can be used with the control board USEQCCK0000000 for prototyping purpose.
<b>MSL:</b>	3

**Specifications**

<b>Temperature Range:</b>	-40/+85°C
<b>Power Supply Voltage:</b>	1.75 - 3.6 V
<b>Current:</b>	1 - 23 uA (Supply Current, Typical)
<b>Miscellaneous:</b>	Sensor Type: Single. Includes sensor: USEQFSEA464180.
<b>D*:</b>	2.5 x 10 <sup>8</sup> cm sqrt(Hz)/ W
<b>NEP:</b>	2.7 x 10 <sup>-10</sup> W/sqrt(Hz)
<b>Time Constant:</b>	10ms (10-20 Hz peak)
<b>Field of View:</b>	90 degrees
<b>Element Size:</b>	0.64mm x 0.64mm
<b>Filter Aperture:</b>	d = 1.65 mm
<b>Filter:</b>	4.64 um (flame channel with wide FoV)