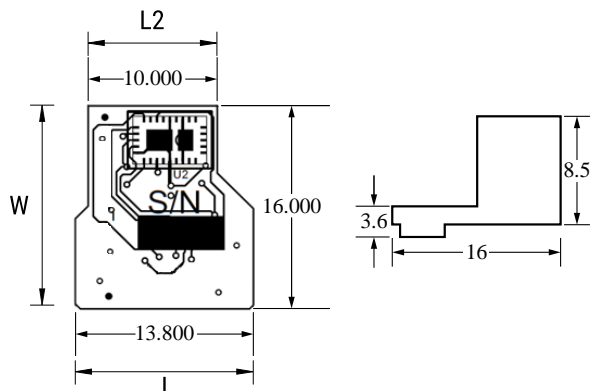


KEMET Part Number: USEQFSM122L100
(USEQFSM122L100)

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



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

Packaging Specifications	
Packaging:	Bulk
Weight:	5.4 g

General Information	
Series:	QFS
Type:	Flame Detection
Style:	SMD
Description:	12C Flame Sensor Module
Features:	Small SMD Package, 12C Communication Compatible
RoHS:	With Exemptions
REACH:	SVHC (Pb – CAS 7439-92-1)
Qualifications:	REACH
Notes:	The module, in order to be evaluated, can be used with the control board USEQCSK0000000 for prototyping purpose.
MSL:	3

Specifications	
Temperature Range:	-40/+85°C
Power Supply Voltage:	1.75 - 3.6 V
Current:	1 - 23 uA (Supply Current, Typical)
Miscellaneous:	Sensor Type: Single. Includes sensor: USEQFSEA22L180.
D*:	2.5 x 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:	0.64mm x 0.64mm
Filter Aperture:	d = 1.65 mm
Filter:	2.2 um long pass