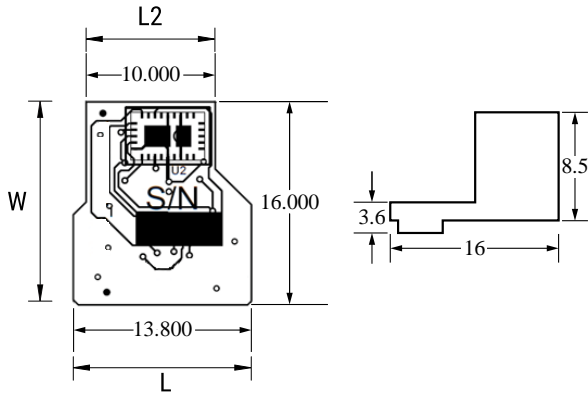


KEMET Part Number: USEQFSM150L100
(USEQFSM150L100)



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 (PZT – CAS 12626-81-2)
SCIP Number:	f8c5f819-a3bd-41c4-887e-bd5dcb8c5edf
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: USEQFSEA50L180.
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:	0.64mm x 0.64mm
Filter Aperture:	d = 1.65 mm
Filter:	5 um long pass (human motion rejection)

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