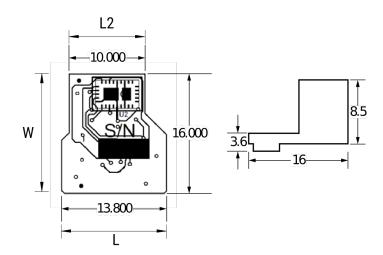


## USEQFSM150L100

Aliases (USEQFSM150L100)

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



General Information		
Series	QFSM	
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	

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

Packaging Specifications	
Packaging	Bulk
Component Weight	5.4 g

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*	$2.5 \times 10^8 \text{ cm sqrt(Hz)/W}$
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	5 um long pass (human motion rejection)

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