



### 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 USEQCCK0000000 for prototyping purpose.
MSL	3

### Dimensions

L	13.8mm NOM
L2	10mm NOM
H	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: USEQFSEA448180.
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	4.48 um (flame channel with main detector)