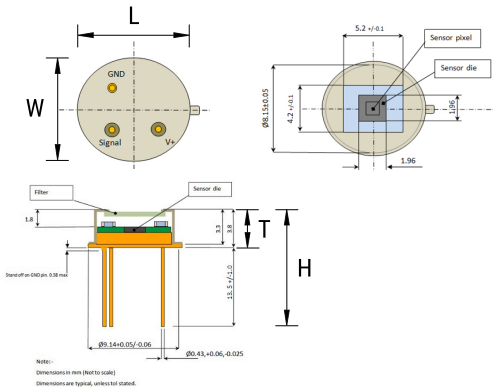
KEMET Part Number: USEQFCSA448100

(USEQFCSA448100)

KEMET, QFC, Flame Detection, TO39, Infrared, High Responsitivity, Wide Field of View, Rapid Recovery from Shock, Analog Output



General Information	
Series:	QFC
Type:	Flame Detection
Style:	TO39
Description:	Analog output flame sensor
Features:	High Responsitivity, Wide Field of View, Rapid Recovery from Shock, Analog Output
RoHS:	With Exemptions
REACH:	SVHC (PZT – CAS 12626-81-2)
SCIP Number:	3c31b9af-be99-48ff-a8c3-2ea3307a1989
Qualifications:	REACH

Dimensions	
L	9.14mm +0.05/-0.06mm
W	9.14mm +0.05/-0.06mm
H	17.3mm +/-1mm
T	3.8mm NOM

Specifications	
Temperature Range:	-40/+85°C
Power Supply Voltage:	2.7 - 8.0 V
Miscellaneous:	Sensor Type: Single.
Microphonics:	S(vib) ~2 µV/sqrt(Hz) (at 10 Hz)
Noise:	Mean 70 µV sqrt(Hz)
D*:	3.5 x 10^8 cm sqrt(Hz)/ W
Time Constant:	12ms
Field of View:	100 degrees
Element Size:	1000um x 1000um
Filter Aperture:	5.2mm x 4.2mm
Filter:	4.48 um bandpass
Responsivity:	150,000 V/W

Packaging Specifications	
Packaging:	Bulk
Packaging Quantity:	50
Component Weight:	950 mg