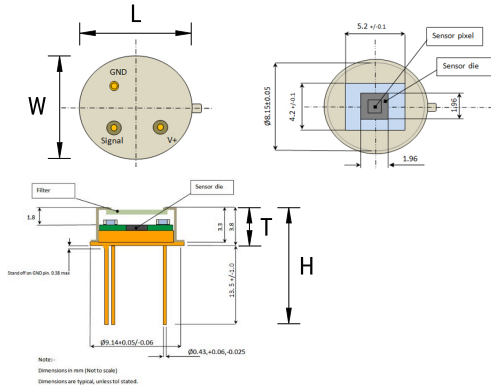


KEMET Part Number: USEQFCSA338100
(USEQFCSA338100)

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



Dimensions

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

Packaging Specifications

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

General Information

Series:	QFC
Type:	Flame Detection
Style:	TO39
Description:	Analog output flame sensor
Features:	High Responsivity, 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

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:	3.38 um bandpass
Responsivity:	150,000 V/W

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

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