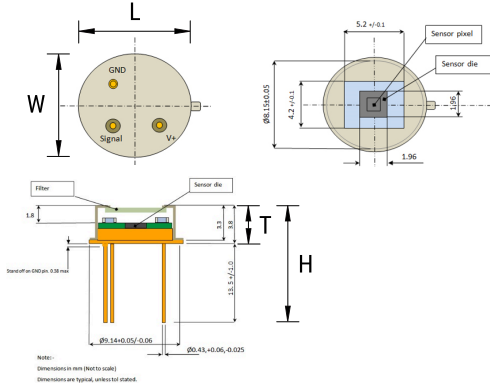


**KEMET Part Number: USEQFCSA500100**  
(USEQFCSA500100)

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



### Dimensions

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

### Packaging Specifications

<b>Packaging:</b>	Bulk
<b>Packaging Quantity:</b>	50
<b>Weight:</b>	950 mg

### General Information

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

### Specifications

<b>Temperature Range:</b>	-40/+85°C
<b>Power Supply Voltage:</b>	2.7 - 8.0 V
<b>Miscellaneous:</b>	Sensor Type: Single.
<b>Microphonics:</b>	S(vib) ~2 μV/sqrt(Hz) (at 10 Hz)
<b>Noise:</b>	Mean 70 μV sqrt(Hz)
<b>D*:</b>	3.5 x 10 <sup>8</sup> cm sqrt(Hz)/ W
<b>Time Constant:</b>	12ms
<b>Field of View:</b>	100 degrees
<b>Element Size:</b>	1000um x 1000um
<b>Filter Aperture:</b>	5.2mm x 4.2mm
<b>Filter:</b>	5 μm cut on
<b>Responsivity:</b>	150,000 V/W

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