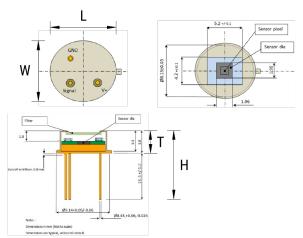


USEQFCSA455100

Aliases (USEQFCSA455100)

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



Click here for the 3D model.

Dimensions	
L	9.14mm +0.05/-0.06mm
W	9.14mm +0.05/-0.06mm
Н	17.3mm +/-1mm
Т	3.8mm NOM

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

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		

Specifications	
Temperature Range	-40/+85°C
Power Supply Voltage	2.7 - 8.0 V
Miscellaneous	Sensor Type: Single.
Microphonics	$S(vib) \sim 2 \mu V/sqrt(Hz)$ (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	4.55 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.