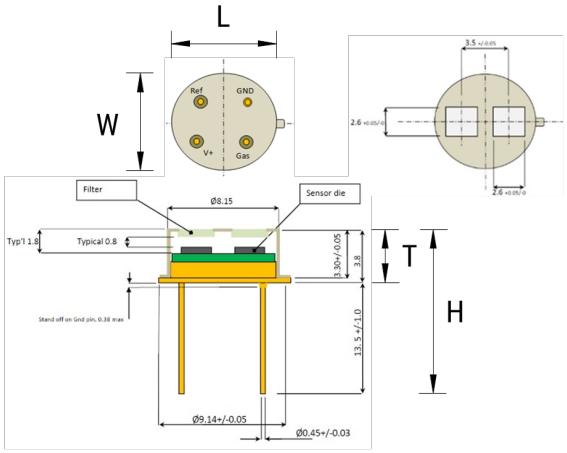
USEQDCDASUG100

Aliases (USEQDCDASUG100)

KEMET, QDC, Food Detection, TO39, Infrared, Fast, Wide Operating Frequency Range, Analog Output, Integrated op amp



Click here for the 3D model.

Dimensions	
L	9.14mm +0.06/-0.025mm
W	9.14mm +/-0.05mm
H	17.3mm +/-1mm
T	3.8mm NOM

Packaging Specifications	
Packaging	Bulk
Packaging Quantity	50
Typical Component Weight	970 mg

General Information	
Series	QDC
Type	Food Detection
Style	TO39
Description	Analog Output Food Sensor
Features	Fast, Wide Operating Frequency Range, Analog Output, Integrated op amp
RoHS	With Exemptions
REACH	SVHC (PZT – CAS 12626-81-2)
SCIP Number	92ddf6ba-8c7d-4f7a-a259-2941417a21b2
Qualifications	REACH

Specifications	
Temperature Range	-40/+85°C
Power Supply Voltage	2.7 - 8.0 V
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
Element Size	1000um x 1000um
Filter Aperture	2.6mm x 2.6mm
Filter	Channel 1: Reference, Channel 2: Sugar, Ethanol
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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