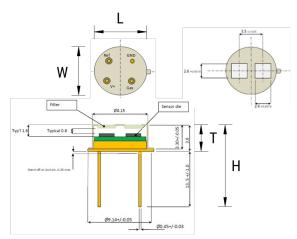


USEQDCDASUG100

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
Н	17.3mm +/-1mm
Т	3.8mm NOM

Packaging Specifications		
Packaging	Bulk	
Packaging Quantity	50	
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	$S(vib) \sim 2 \mu V/sqrt(Hz)$ (at 10 Hz)		
Noise	Mean 70 μV sqrt(Hz)		
D*	$3.5 \times 10^8 \text{ cm sqrt(Hz)/W}$		
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.