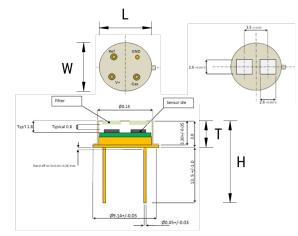


## **USEQDCDAPAL100**

Aliases (USEQDCDAPAL100)

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		
Typical Component Weight	970 mg		

General Information		
Series	QDC	
Туре	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: Protein, Channel 2: Lactose	
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.