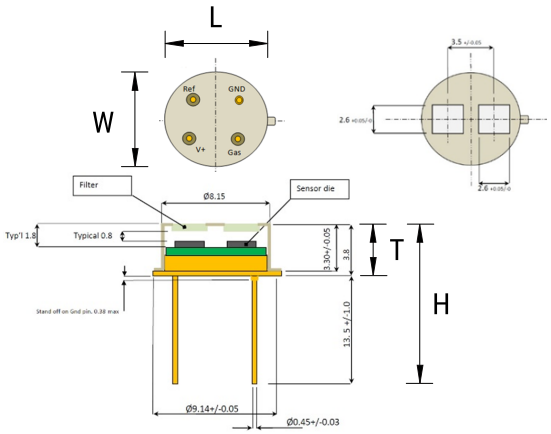
USEQDCDAFAT100

Aliases (USEQDCDAFAT100)

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



Click here for the 3D model.

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

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

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: Fat Reference, Channel 2: Fat
Responsivity	150,000 V/W

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