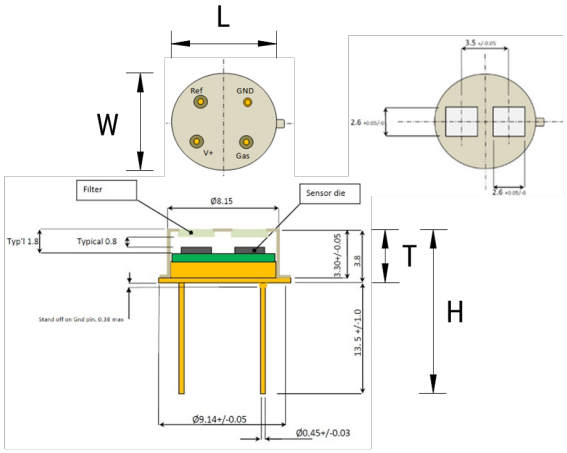
# USEQDCDAPAL100

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 |
| 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: 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.



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