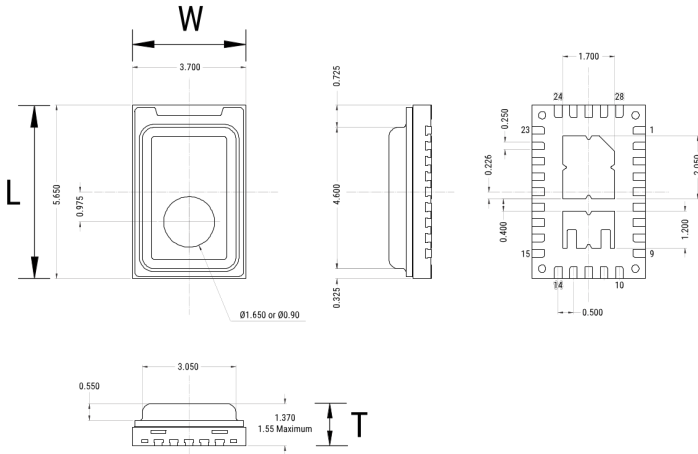


USEQFSEA50L180

Aliases (USEQFSEA50L180)

KEMET, QFS, Flame Detection, SMD, Infrared, Small SMD Package, 12C Communication Compatible



Click [here](#) for the 3D model.

Dimensions

L	5.65mm NOM
W	3.7mm NOM
T	1.55mm MAX

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	800
Component Weight	70 mg

General Information

Series	QFS
Type	Flame Detection
Style	SMD
Description	12C
Features	Small SMD Package, 12C Communication Compatible
RoHS	With Exemptions
REACH	SVHC (PZT - CAS 12626-81-2)
SCIP Number	f8c5f819-a3bd-41c4-887e-bd5dcb8c5edf
Qualifications	REACH
MSL	3

Specifications

Temperature Range	-40/+85°C
Power Supply Voltage	1.75 - 3.6 V
Current	1 - 23 uA (Supply Current, Typical)
Miscellaneous	Human motion rejection. Sensor Type: Single.
D*	$2.5 \times 10^8 \text{ cm} \sqrt{\text{Hz}} / \text{W}$
NEP	$2.7 \times 10^{-10} \text{ W}/\sqrt{\text{Hz}}$
Time Constant	10ms (10-20 Hz peak)
Field of View	90 degrees
Element Size	0.64mm x 0.64mm
Filter Aperture	d = 1.65 mm
Filter	5 um long pass (human motion rejection)