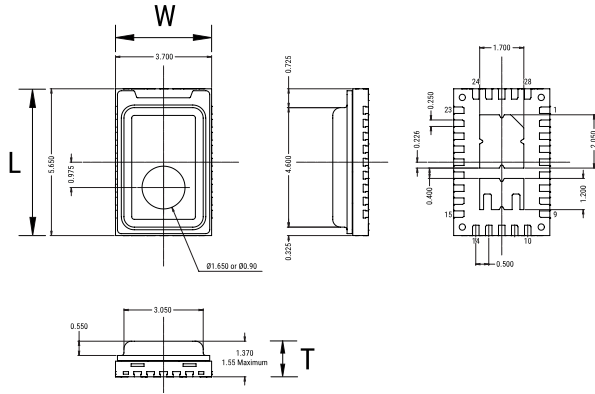


KEMET Part Number: USEQFSEA448180
(USEQFSEA448180)



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



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-bd5dc8c5edf
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:	Flame channel (main detector). 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:	4.48 um (flame channel with main detector)

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