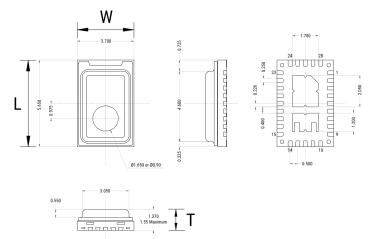


## USEQFSEA448180

Aliases (USEQFSEA448180)

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	
Т	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	Flame channel (main detector). Sensor Type: Single.			
D*	2.5 x 10^8 cm sqrt(Hz)/ W			
NEP	2.7 x 10^-10 W/sqrt(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)			

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.