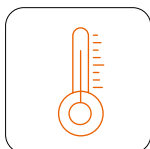


# MTP10-B7F55

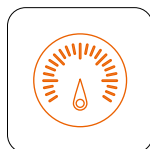


## MEMS Infrared temperature sensor

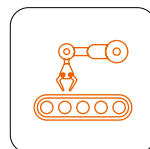
Non-contact temperature sensor



Non-contact temperature  
measurement



Pyrometer



Continuous monitoring  
of manufacturing  
temperature

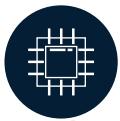


Industrial temperature  
transmitter

## MTP10-B7F55



The MTP10-B7F55 infrared thermopile temperature sensor is a non-contact temperature sensor with a temperature measurement field of view of up to 83°. It has a built-in MEMS thermopile chip and adopts the 8~14μm bandpass filter exclusively customized by MFrontier. The average transmittance is  $\geq 75\%$ . It has the characteristics of high-precision NTC and can be widely used in a variety of temperature measurement fields.



MEMS thermopile chip



TO-46 package



High sensitivity



High precision NTC



5.5~14μm long pass filter

### Product parameters

Model	MTP10-B7F55
Package form	TO-46
Field of view (50% maximum signal)	83°
Transmitted wavelength range	5.5~14μm; long pass
Average transmittance	$\geq 75\%$
Working temperature	-30~100°C
Storage temperature	-40~125°C

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