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*IRtek International*

## IRF400

Spectral Range	:	8 ~ 14 $\mu$ m
Distance To Spot Ratio	:	12 : 1
Measurement Range	:	0 ~ 400 $\text{\AA}$ C (0.04mA/ $\text{\AA}$ C) / 32 ~ 752 $\text{\AA}$ F (0.022mA/ $\text{\AA}$ F)
Analog Output	:	4 ~ 20mA (linear to temperature max. 700 $\text{\AA}$ C @24V DC; min 100 $\text{\AA}$ C recommended)
Loop Impedance	:	max. 150 $\text{\AA}$ C @12V DC; min 100 $\text{\AA}$ C recommended
Emissivity	:	fixed at 0.95
Response Time	:	300ms
Accuracy	:	2.0% of temperature reading or 2.0 $\text{\AA}$ C/3.6 $\text{\AA}$ F whichever is greater
Repeatability	:	1% of measured value or 1 $\text{\AA}$ C/1.8 $\text{\AA}$ F whichever is greater
Warm up times	:	10 minutes
Connection Cable	:	1m length, PVC
Power Supply	:	12 ~ 24V DC
Ambient Temperature	:	0 ~ 70 $\text{\AA}$ C / 32 ~ 158 $\text{\AA}$ F
Storage Temperature	:	-30 ~ 85 $\text{\AA}$ C / -22 ~ 185 $\text{\AA}$ F
Housing	:	Stainless steel tube
Mounting Nut	:	M22
Size	:	91mm x 122mm
Weight	:	158g
Enclosure rating	:	IP65 (according to DIN 40 050)
Vibration	:	IEC68-2-27 (MIL STD 810D), any axis, 11 to 200Hz, 3G
Shock	:	IEC68-2-27 (MIL STD 810D), any axis, 11ms, 50G

[Vendor Information](#)