

DATA SHEET

# FIRE-40

## Forward Infrared Emitter

### 40 Watts/STR



#### 01 Description

The FIRE-40 is a small, lightweight, electrically powered infrared source, designed to be mounted on the wing tip of target drones and in the nose or tail of towed targets. Operating at 28-volts, it produces an operator selectable IR signature from as little as 6 W/str to 40 W/str in the 3-5 micron band and is ideal for use with air-to-air IR guided missiles such as AIM-9 and MAGIC and surface-to-air IR guided missiles such as Stinger, Mistral and RAM.

In addition to its very lightweight, small size and low power requirement, a major advantage of the FIRE-40 is that its output is not sensitive to airspeed, altitude or mounting orientation and its duration, when linked to a generator such as when mounted in the Meggitt TGX-IR towed target, is unlimited. It is ideally suited for forward facing infrared target augmentation making it especially useful for air-to-air and Navy head on attack profiles.

#### 02 Key features and benefits

- Small, lightweight
- Electrically powered IR source
- 28 volts produces up to 40 w/str
- For use with AIM-9, Stinger, Mistral, and RAM missiles

#### 03 Applications

- Target drones
- Towed targets

#### 04 Contact

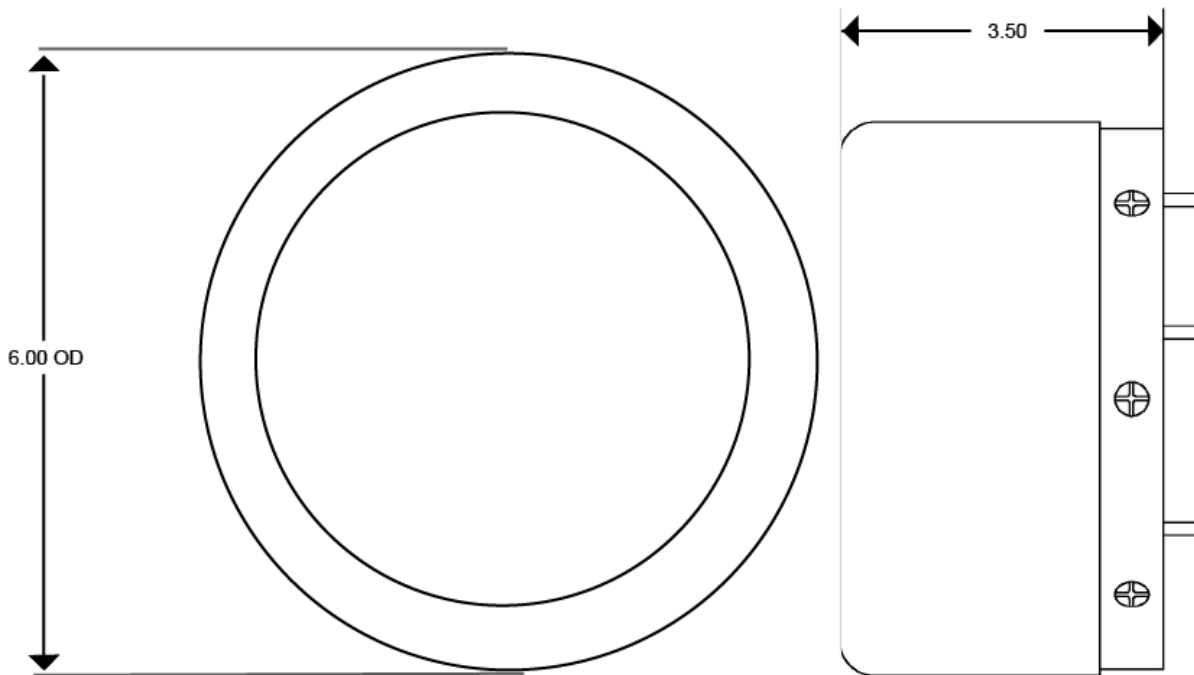
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








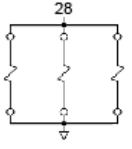
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**05 Outline details**



Fire-40 Wiring Configuration	 2.95 OHMS  9.5 AMPS  19 W/STR	 9.40 OHMS  3.0 AMPS  6 W/STR	 3.62 OHMS  7.5 AMPS  15 W/STR	 28
	Input power watts	267	83	210
Input amps	9.5	3.0	7.5	20.0
Output power - in 3-5 micron band head on W/STR	19	6	15	40.0
Thermocouple is K-TYPE				