



Infra-Red Tracking Flare

QinetiQ Target Systems' Infra-Red (IR) Tracking Flare is an enhancement used with the family of Banshee Aerial Targets to create a bright trace in infra-red spectrum.

The Infra-Red tracking flare has been used for a variety of weapon systems including Minstral and Stinger.

The IR flares can be fitted to mounting points on each of the Banshee target's wing tips or alternatively to the exterior of the belly pod. Each wing tip can carry a total of four IR flares and the belly pod can accommodate a total of eight.

The flares are ignited by the avionics flare actuation system. The output of the IR flare is a minimum of 400 watts per Steradian in the 2.9-5.5 microns bandwidth, and the burn time is 60 seconds.

Key Features

60 second burn time

Ignition on command from target control station

Over 400 W/Sr in 2.9-5.5 μ band

Infra-Red Tracking Flare Specifications

Characteristics

Burn Time:	60 seconds
Output:	400W/Steradian in the 2.9-5.5 microns bandwidth
Minimum Firing Current:	1 amp/10 millisecond

Physical

Length:	200.8mm
Diameter:	25.4mm
Maximum weight:	210g

Storage

Maximum storage temperature:	40°C
Minimum storage temperature:	-32°C
Relative humidity:	less than 70%
Shelf life:	3 years

References

UN Hazard Classification:	1.3 G
UN Item Number:	0093



Collaborating with QinetiQ

At QinetiQ we bring organisations and people together to provide innovative solutions to real world problems, creating customer advantage.

Working with our partners and customers, we collaborate widely, working in partnership, listening hard and thinking through what customers need. Building trusted partnerships, we are helping customers anticipate and shape future requirements, adding value and future advantage.

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