

SW ambient temperature photomultiplier housings

1 SWH series

The SW housing series is designed for use with all 30mm Side Window pmts.

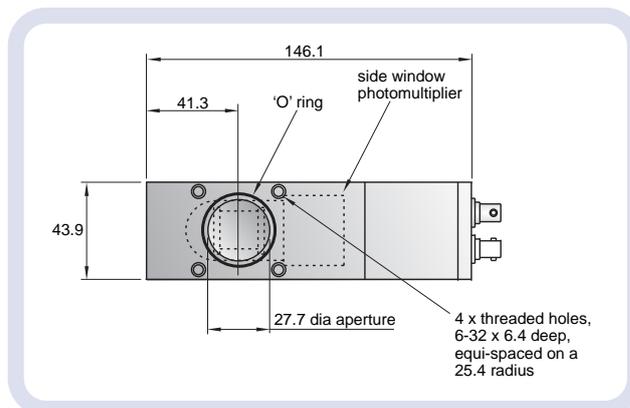
It offers:

- a light-tight enclosure including socket, voltage divider and connectors
- electrostatic and magnetic screening
- high quality insulators and components to ensure optimum performance

The socket and voltage divider in the housing are chosen to suit the particular pmt being used, which must be specified when ordering. Unless otherwise stated, or requested, the voltage divider will have the standard configuration indicated in the corresponding pmt data sheet, and the value of 'R' will be 100k Ω

The default HV polarity is negative, so that the output is suitable for analogue or pulsed signal applications. However, for applications where the lowest noise is important it is recommended that positive HV be used. In this latter case, internal 100k Ω anode load resistor is incorporated and the signal taken out via a coupling capacitor. This configuration is only suitable for pulsed applications, such as photon counting.

RFI shielded versions are available for use in noisy environments and/or for very low signal conditions.



2 SWH features

- hard nickel plated finish
- electromagnetically shielded socket assembly
- optional version with mu-metal* shutter
- optional filter holder accepting 2mm x 32.5mm diameter filters

* mu-metal is a registered trademark of Magnetic Shield Corporation

3 SWH specification

signal connector	BNC
HV connector	MHV (SHV optional)
divider R value	100k Ω (other values available)
HV polarity	-HV (+ve optional)
weight	420g

ET Enterprises Limited
45 Riverside Way
Uxbridge UB8 2YF
United Kingdom
tel: +44 (0) 1895 200880
fax: +44 (0) 1895 270873
e-mail: sales@et-enterprises.com
web site: www.et-enterprises.com

ADIT Electron Tubes
300 Crane Street
Sweetwater TX 79556 USA
tel: (325) 235 1418
toll free: (800) 399 4557
fax: (325) 235 2872
e-mail: sales@electrontubes.com
web site: www.electrontubes.com

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