

# HD 25/25

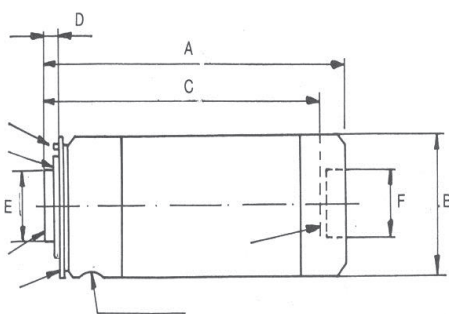
## Image intensifier

HD 25/25 is Gen I, 3-stage image intensifier with electrostatic-focusing. Equivalent label XX1140.

HD 25/25 incorporates 3 image modules, oscillator and 3-stage cascade. It incorporates S25 photocathode and aluminized phosphor screen. The power supply incorporates automatic brightness control (ABC) to provide a constant output image brightness as light levels varies. The HD25/25 is completely self-contained image intensifier tube encapsulated within a hard-surface insulating sleeve.

Performance	Unit	Min.	Max.
Cathode sensitivity for 2856°K	μA/lm	300	
	800 nm mA/W	20	
	850 nm mA/W	15	
EBI	μlux		0.20
Luminous gain at 2x10 <sup>-5</sup> lux	Cd/m <sup>2</sup> /lux	12700	
Supply current	mA		50
Output uniformity			4 : 1
Limiting resolution	lp/mm	28	
MTF at 7.5 lp/mm	%	60	
	16.0 lp/mm %	20	
Photocathode diameter	mm	23	
MTTF	hours	2000	

Picture quality			
Size (μm)	I	II	III
381-500	0	0	0
301-380	0	1	2
231-300	0	3	6
150-230	0	6	10
70-150	3	9	15



Ref	Max (mm)
A	196
B	70
C	183
D	6,2
E	35,7
F	32,7 min

