

Inverter Tubes



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Around the world many of our customers rely on the performance of our "Inverter"-Series of image intensifiers. These image intensifiers allow for easy upgrades and repairs of your current systems like the AN/PVS-4 weapon sight, AN/TVS-5 weapon sight and drivers-periscope systems like AN/VVS-2. Our applications match all form - fit - function requirements for drop in replacement.

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Technical specifications Inverter Tubes

	50 X 40	20 X 30	25mm	
Main Characteristics				
	XX1330	XX1380	XX2050	UNIT
Photocathode	S25	S25	S25	
Input window	Fibre Optic	Fibre Optic	Fibre Optic	
Output window	Fibre Optic	Fibre Optic	Fibre Optic	
Image Inversion	Yes	Yes	Yes	
Magnification	0.7 X	1.5 X		
Screen Phosphor	P22	P22	P22	
Weight	850	350	350	gram
Optical Parameters				
	XX1330	XX1380	XX2050	UNIT
Signal to Noise at 13 μ lx (minimum)	4.5	2.8	3.2	
Photocathode Sensitivity (minimum)	250	240	260	μ A/lm
Resolution (minimum)	18*	45	32	lp/mm
Gain at 50 μ lx (maximum)	19,000	19,000	22,000	cd/m ² /lx
Electrical Parameters				
	XX1330	XX1380	XX2050	UNIT
Operating voltage (typical)	6.6	2.7	2.7	V
Supply Current (maximum)	50	30	32	mA
Automatic Brightness Control	Yes	Yes	Yes	
Additional Information				
	XX1330	XX1380	XX2050	UNIT
MTTF (minimum)	5,000	15,000	2,500	hours
Shock Resistance (maximum)	1,000	5,000	5,000	m/s ²
Operating Temperature				
	XX1330	XX1380	XX2050	UNIT
In operation	-40 / +52	-40 / +52	-54 / +52	°C
In storage	-40 / +70	-55 / +60	-62 / +68	°C

* Equivalent to 40 lp/mm in 18mm format

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