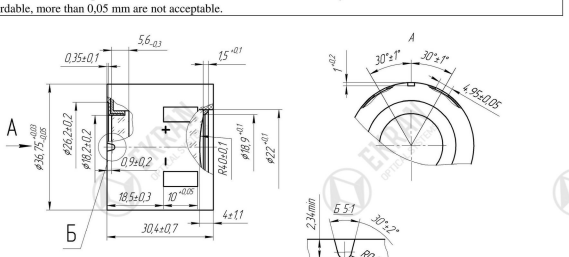
IMAGE INTENSIFIER TUBE EPM207G-2-11-13*

Parameter, unit		B	A	C	E	H
Photocathode useful diameter, mm	17,5					
Nominal operating voltage, V	2÷3,5					
Supply current, mA, max	22					
Photocathode sensitivity, min:						
-White light, μm/lm	450	500	540	600	600	650
-Spectral at λ = 850 nm, mA/W	24	35	40	42	40	40
Resolution lm/mm, min	43					
Luminous gain at $20x10^6$ lx	22000÷30000**					
Luminescence brightness of screen in ABC mode, cd/m^2	4÷12**					
Signal to noise ratio, min	18	19	20	21	20	21
Modulation transfer function (MTF)						
2,5 lp/mm	0,83	0,83	0,86	0,86	0,86	0,86
7,5 lp/mm	0,56	0,56	0,62	0,65	0,65	0,65
15 lp/mm	0,30	0,30	0,32	0,38	0,38	0,38
Mean time to failure, hours, min	10000					
Mechanical shock: - single action, m/c^2 (g)	5000 (500)					
- reoperable, m/c^2 (g)	3000 (300)					
Operating temperature, C°	-45 ÷ +50					

Purity of the visual area of IIT

Diameter of dots, mm	Allowable quantity of points by zone, psc		
	Area 1 Circle with diameter 5,6 mm	Area 2 Ring with diameter 5,6÷ 14,7 mm	Area 3 Ring with diameter 14,7÷17,5 mm
Up to 0,075 inclusively	are not considered		
More than 0,075 to 0,15 inclusively	0	2	2
More than 0,15 to 0,23 inclusively	0	1	1
More than 0,23	are not accepted		

Notes: 1) Ocular zoom during measurement – 10^x.
2) In 2nd and 3rd zones accepted lines with width 0,01 ÷ 0,05 mm with sum length 1,5 mm. Lines with width 0,01 mm are not recordable, more than 0,05 mm are not acceptable.



* Reference size

* Export license is not required.
** Specific parameter can be set according to the customer's request.

- Black-and-white screen luminescence, external adjustment of the conversion rate and autogating function are available.
- Fiber optical element's curvature radius can be changed according to customer's demand.

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