

MIL-Specified Image Intensifier Tubes

Image Intensifier Tubes

Type	Generation	Stages	Input	Output	Cathode	Screen	MIL-Spec	Typ. Resp. 2856K	Typ. Resp. 800 nm	Typ. Resp. 850 nm	Gain	Resolution (center)	Resolution (peripheral)	E.B.I.
XX 1140 XX 1066 XX 1190 XX 1192	1. Gen. inverter	3-stage with PS 1-stage	25 mm fiber optic	25 mm fiber optic	S25	P20	MIL-I-55340	300 μ A/lm*	20mA/W*	15mA/W*	min. 40000 lm/lm ⁽¹⁾	28 lp/mm	25 lp/mm	0,2 μ lx
XX 1200	1. Gen. inverter	1-stage	18 mm fiber optic	18 mm fiber optic	S25	P20	MIL-M-55554	300 μ A/lm*	30 mA/W*	20 mA/W*	min. 65 lm/lm ⁽²⁾	64 lp/mm	57 lp/mm	0,2 μ lx
XX 1211	1. Gen. inverter	3-stage with PS	18 mm fiber optic	18 mm fiber optic	S25	P20	MIL-M-55660	300 μ A/lm*	30 mA/W*	20 mA/W*	min. 65 lm/lm ⁽²⁾	64 lp/mm	57 lp/mm	0,2 μ lx
XX 1270	1. Gen. inverter	2-stage with PS	18 mm fiber optic	7 mm glass	S25	P20		300 μ A/lm*	20 mA/W*	15 mA/W*	min. 30000 lm/lm ⁽¹⁾	32 lp/mm	25 lp/mm	0,2 μ lx
XX 1400	2. Gen. inverter	1-stage with PS (potted)	25 mm fiber optic	25 mm fiber optic	S25	P20	MIL-I-49040 D	300 μ A/lm*	30 mA/W*	20 mA/W*	min. 9000 lm/lm ⁽¹⁾	25 lp/mm	25 lp/mm	0,2 μ lx
XX 1430	1. Gen. inverter	1-stage without PS (potted)	40 mm fiber optic	40 mm fiber optic	S25	P20	MIL-M-55555	300 μ A/lm*	30 mA/W*	20 mA/W*	30000-70000 lm/lm ⁽¹⁾	28 lp/mm	25 lp/mm	0,2 μ lx
XX 1510	1. Gen.	3-stage with PS	40 mm fiber optic	40 mm fiber optic	S25	P20	MIL-M-55345	300 μ A/lm*	30 mA/W*	20 mA/W*	min 40000 lm/lm ^{(1)*}	64 lp/mm	57 lp/mm	0,2 μ lx
XX 1800 A	2. Gen. proximity focussed	1-stage with PS (potted)	17,5 mm* fiber optic	17,5 mm* fo. inverter concave	S25	P20		300 μ A/lm*	25 mA/W*	15 mA/W*	min 40000 lm/lm ^{(1)*}	28 lp/mm *	25 lp/mm *	0,2 μ lx
XX 1800 B	2. Gen. proximity focussed	1-stage with PS (potted)	17,5 mm* fiber optic	17,5 mm* fiber optic straight	S25	P20		300 μ A/lm*	25 mA/W*	15 mA/W*	min 40000 lm/lm ^{(1)*}	28 lp/mm *	28 lp/mm *	0,25 μ lx

Infrared Image Converter Tubes

Type	Generation	Stages	Input	Output	Cathode	Screen	MIL-Spec			Conversion Coefficient	Resolution (center)	Resolution (peripheral)	E.B.I.
6914	0. Gen. Inverter	single IR converter	25,4 mm glass	21,8 mm glass	S1	P20	MIL-E-1/1049 VG 96056 Part 7			> 0,60 cd/lm	50 lp/mm	12 lp/mm	25 mlx
8598	0. Gen. Inverter	single IR converter	11 mm glass	11 mm glass	S1	P20	VG 95056 Part 5			> 0,50 cd/lm	60 lp/mm	16 lp/mm	25 mlx

Low Light Level TV Camera Tubes

Type	Generation	Stages	Input	Output	Cathode	Screen
XQ 1340	1. Gen. Vidicon	low light level TV tube	20 mm fiber optic	20 mm silicon multidiode target	S25	Vidicon

(1) at 50 μ lx
(2) at 0,3...0,5 lx

* typical (min)

PS power supply