TO: Lyncean Technologies, Inc.

INSPECTION SHEET

TR000011 Canon Klystron E3730A Inspection Sheet SN 20J104

HIGH POWER PULSE KLYSTRON E3730A S/N 20J104

CANON ELECTRON TUBES & DEVICES CO., LTD.

			1				T								PA	AGE 1/2
	LASSIFICAT	ION AQL	n1	d1	n1+n2	d1+d2	JUDGE					APPLIED S	PECIFICATION	PRODUCT	SPECIFICAT	ION
APPEARANCE PRODUCTION DESIGN					_			INSPECTION SHEET SUPPLY QUANTITY 1 DATE OF INSP.						F INSP.	15-Sep-2020	
								TYPE	TYPE HIGH POWER PULSE KLYSTRON CHIEF OF INSPECTION SECTION					4.	Ŕα	
	CONDITION	I FLECT	reoi	MAG	INET V	T-620	22				·					T
		STATI		****	AINL: V	1 000		DYNAMIC					·			
ITE	М	VACUU	М		HEATER URREN		BEAM CURRENT	OUTPUT POWER	BEAM VOLTAGE	BEAM CURRENT	DRIVE POWER	GAIN	EFFICIENCY	PERVEANCE	X-ray Leakage	JUDGE
SY	MBOL	lion			If		ik	ро	еру	ik	pd	Gp	η	G		
UN	IT	[[A]		[A]	[MW]	[kV]	[A]	[W]	[dB]	[%]	[μA/V ^{1.5}]	[μSv/h]	
CO	NDITION	No operat	ting	Ef	F=16.6[\	/]	Ef=16.6[V]				Ef=16.6[V]			· · · · · · · · · · · · · · · · · · ·		
		voltage	,	(Ef	≦20[\	/])	epy=310[kV]		fo = 2856 [MH	lz] , tp(rf) = 4.0) [μs], tp(epy	y) = 6.2 [μs]	, fp = 50 [pps]			
						tp	(epy)=6.2[μs]				9.3, 14.2, 16.7,					
No.							fp=50[pps]									
									,							
20)J104	0.01			17.0		352	50.7	320	368	236	53.3	43.0	2.03	9.8	
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		-				+-		l								
			\dashv			+-										
	MIN.						345.2	50	_		_	50	42	1.95	-	INSPECTOR
SPEC	PAR				-		_	-	-	_	-		-	2.1	_	
	MAX.	4.0			20		379.8	_	320	-	500	-	_	2.2	20	M.Shibazaki

TYPE E3730A series

CANON ELECTRON TUBES & DEVICES CO., LTD.

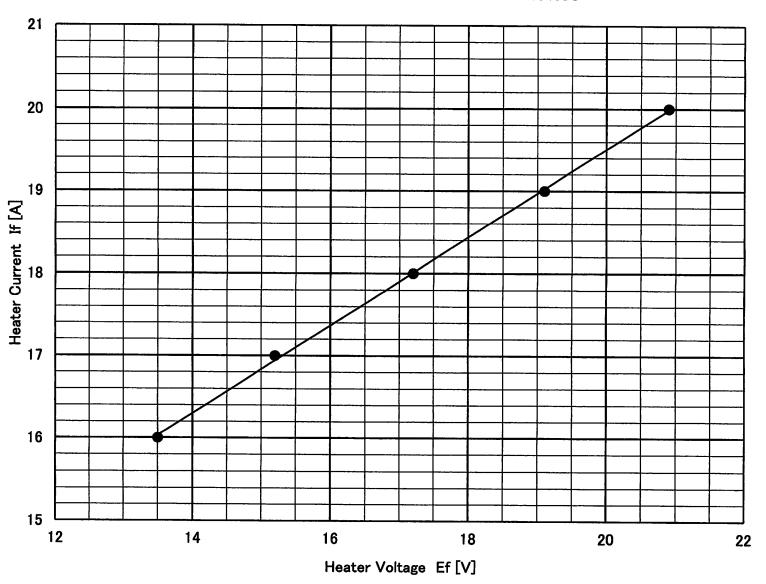
				_	 -									·								PAGE 2/2
TEST CLASS		NAQL	n1 d	1 n1	+n2	<u>d1+d2</u>	JUDG	Έ.							APPLIE	D SPECIF	CATION	PI	RODUC	T SPECI	FICATION	ON
APPEARAN	ICE			_	_					I	NSPECT:	ion sf	HEET		SUPPLY	Y QUANTI	TY	1	DATE	OF INSP.		15-Sep-2020
PRODUCTION DESIGN	ON								TYPE		HIGH POWE	R PULSE	KLYSTRON	I	CHIEF (OF CTION SEC	TION		Y.	Tan	ak	a
TEST CON	IDITION								······································									1	<u> </u>			
ITEM			RESS		0			OUT	LINE							·					-	JUDGE
SYMBOI UNIT																						
CONDIT	TON	(10	0.98 D [kgf,	/cm²				_														
No.		t	= 15 (min.					·	-:			·				-	·	_			
20J104	4		ок					0	K													OK
																·		<u>.</u>				
	-		<u>-</u> -			_			·													
MIN.			visible						ectable													INSPECTOR
SPEC. PAR MAX.		and r	no da	mag	es				n the ion dicator									 			{	M.Shibazolo

TYPE

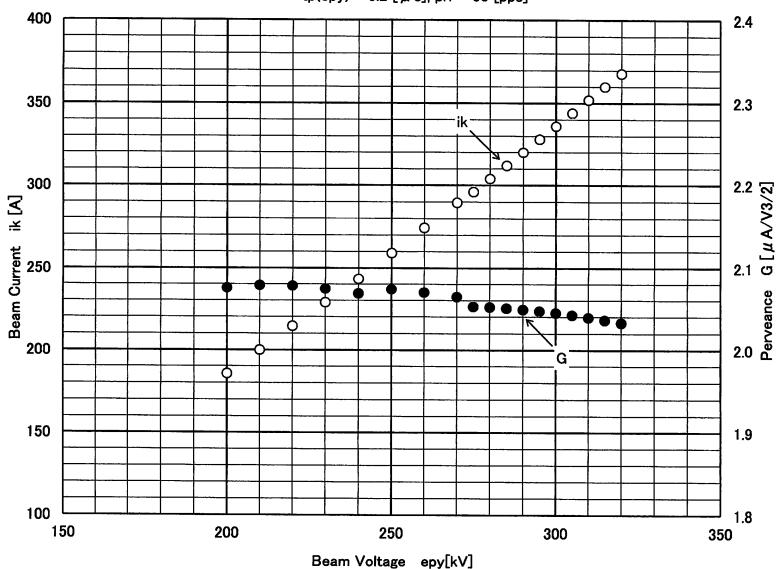
E3730A series

CANON ELECTRON TUBES & DEVICES CO., LTD.

E3730A S/N 20J104 HEATER CHARACTERISTICS

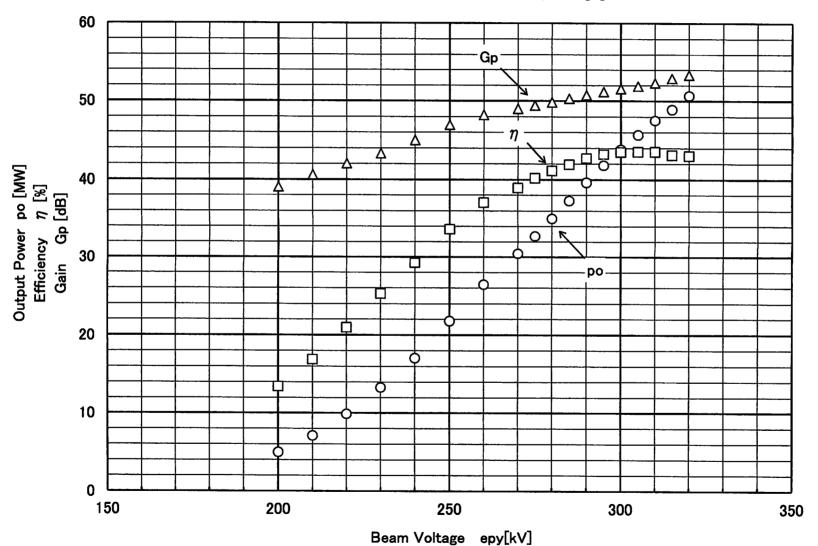


E3730A S/N 20J104 epy-ik CHARACTERISTICS tp(epy) = 6.2 [μ s], prr = 50 [pps]



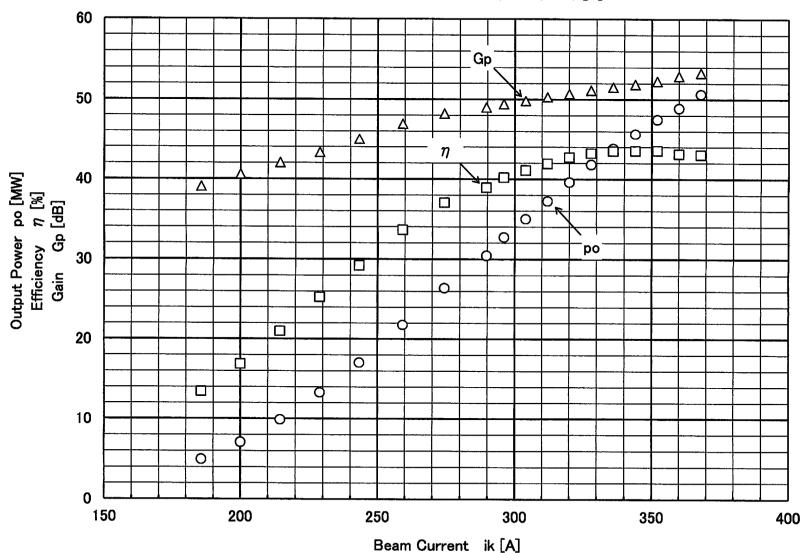
E3730A S/N 20J104 SATURATED OUTPUT CHARACTERISTICS (1)

 $tp(rf) = 4.0 \ [\ \mu \ s], \ prr = 50 \ [pps],$ $Isol = (\ 18.3\ ,\ 29.3\ ,\ 14.2\ ,\ 16.7\ ,\ 12.2\ ,\ 4.7\)\ [A]$

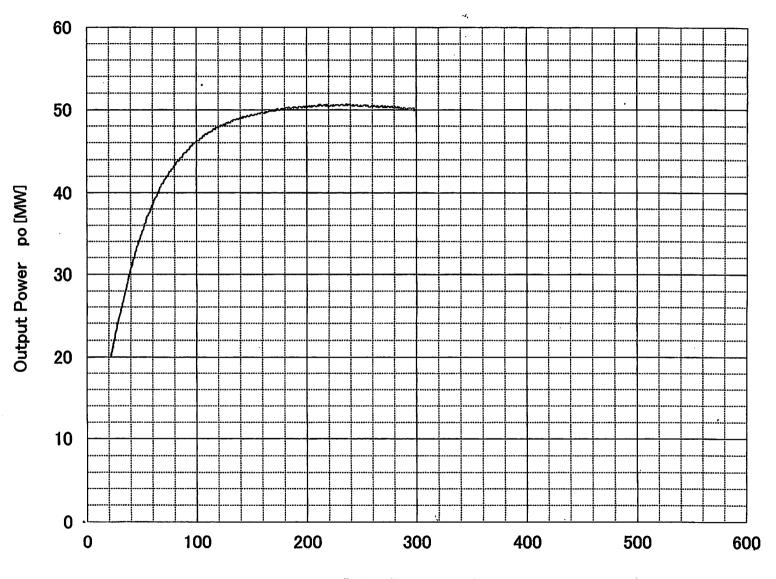


E3730A S/N 20J104 SATURATED OUTPUT CHARACTERISTICS (2)

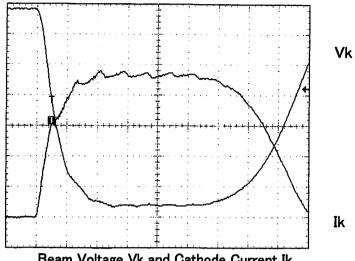
 $tp(rf) = 4.0 [\mu s], prr = 50 [pps],$ Isol = (18.3 , 29.3 , 14.2 , 16.7 , 12.2 , 4.7) [A]



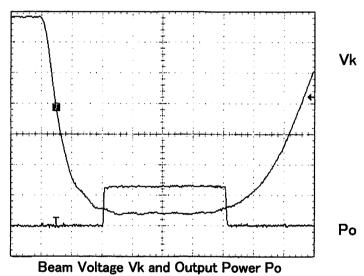
E3730A S/N $2^{\circ} \mathcal{I}/^{\circ} \mathcal{I}$ POWER TRANSFER CHARACTERISTICS tp(rf) = 4.0 [μ s], prr = 50 [pps],epy= 320 [kV], ik= 368 [A], Isol = (18,3,29,3,14,2,16,7,12,2,4,7)[A]



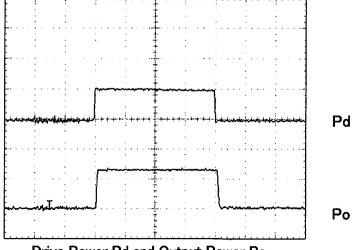
Drive Power pd [W]



Beam Voltage Vk and Cathode Current Ik (X-axis: 1 [μ s/div.], epy= 320 [kV], ik= 368 [A])



(X-axis:1[μ s/div.], epy= 320 [kV], po= 50.7 [MW])



Drive Power Pd and Output Power Po (X-axis: 1[μ s/div.], pd = 230 [W], po= 50.7 [MW])