To: Lyncean Technologies, Inc.

TR000021 Canon Klystron E3772A,A Inspection Sheet SN 19K104

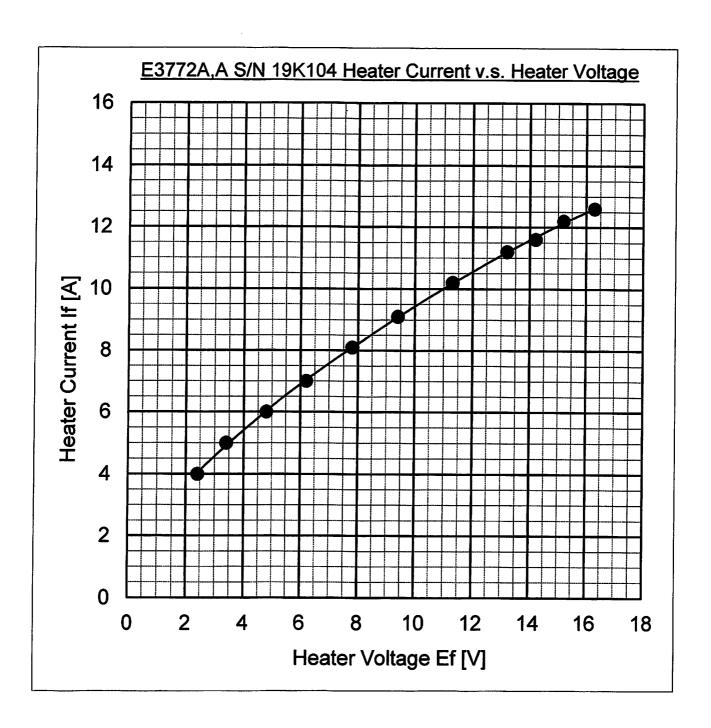
INSPECTION SHEET

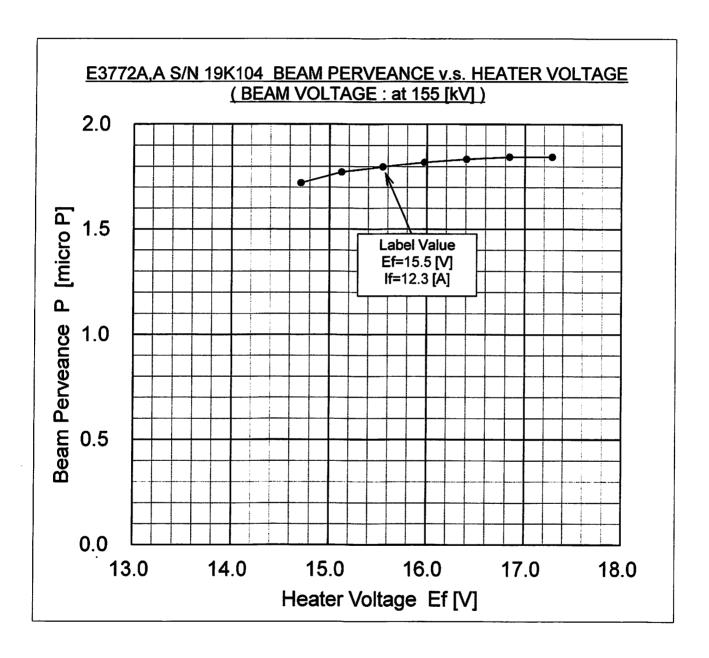
HIGH POWER PULSE KLYSTRON E3772A,A S/N 19K104

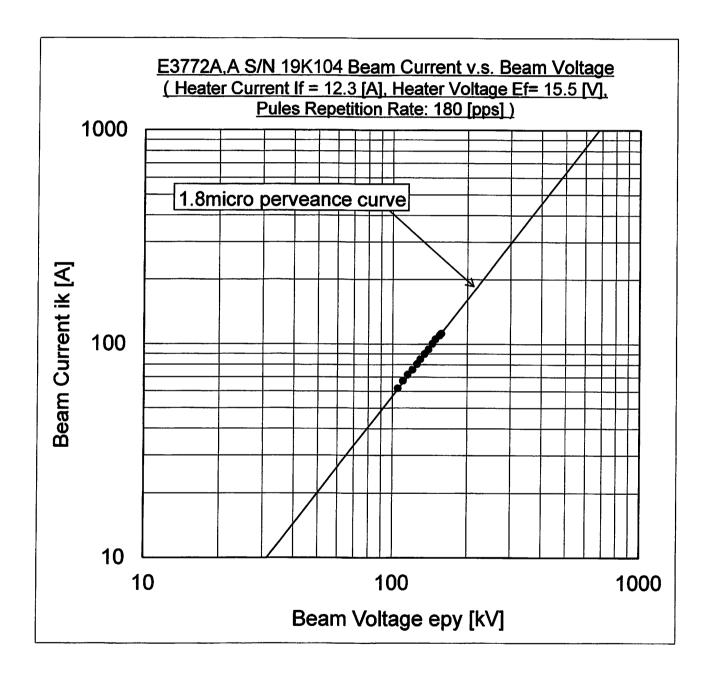
CANON ELECTRON TUBES & DEVICES CO., LTD.

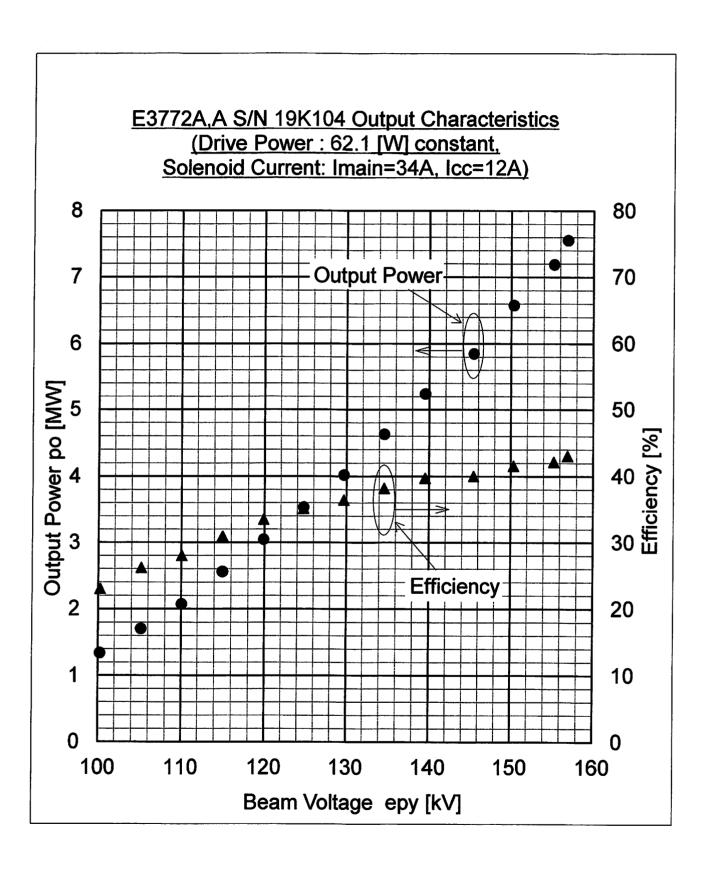
			T									PAGE 1 / 2	
TEST CLASSIFICATI	ON AQL	n1 d1	n1+n2 d1+d2	JUDGE					APPLIED	SPECIFICATIO	N PRODUC	CT SPECIFICATION	
APPEARANCE		\vdash			INSPECTION SHEET			SUPPLY	SUPPLY QUANTITY		1 DATE OF INSP. 21th, Oct. 2019		
PRODUCTION				TYPE HIGH POWER PULSE KLYSTRON									
DESIGN				E3772A,A						INSPECTION SECTION		!. Tanaka	
TEST CONDITION	MOD	ULAT	OR: PK-2, ELE	ECTROMAGNET: T	OSHIBA VT-68	934,A S/N 05	J005						
	STA			POWER OUTPUT 1									
ITEM	VACUUM CHECK		HEATER VOLTAGE	Cathode CURRENT	OUTPUT POWER	BEAM VOLTAGE	BEAM CURRENT	DRIVE POWER	EFFICIENCY	GAIN	ION PUMP CURRENT	JUDGE	
SYMBOL lion		n	Ef	ik	ро	еру	ik	pd	η	Gp	lion		
UNIT	[<i>µ</i> A]		[V]	[A]	[MW]	[kV]	[A]	[W]	[%]	[dB]	[µ A]		
CONDITION	No oper	ating	If= 12.3[A]	If= 12.3[A]	12.3[A] f=2856[MHz], tp(rf)=4.5[μ s], tp(epy)=6.5[μ s], Ef=15.5[V], if = 12.3[A], Pwg=0.18[MPa],							1	
	voltage		(If ≦20[A])	epy=155[kV]							in.],		
	1			tp(epy)= <u>6.5[</u> μ s]									
No.				fp=180[pps]									
19K104	0.0		15.5	110	7.55	157	112	62.1	42.9	50.8	1.89	OK	
							. "						
	 												
	1												
p avai	<u> </u>			400-									
MIN. SPEC. PAR	-			103.7	7.5			-	40	48	_	INSPECTOR	
MAX.	5		20	 115.9	 8.5	160	- 115	-		-	-	M. Johnsol	
	72A series		·	NON ELECT		160	115	120			10	I CONTOCOLO	

		1		T.							PAGE 2/
TEST CLASS		AQL	<u>n1 d1</u>	l n1·	+n2 d1+c	JUDGE	4		APPLIED SPECIFICATION	PRODU	CT SPECIFICATION
APPEARANCE		1				INSPECTION SHEET	SUPPLY QUANTITY	1 DAT	1 DATE OF INSP. 21th, Oct. 2019		
PRODUCTION				TYPE	HIGH POWER PULSE KLYSTRON						
DESIGN				<u>L</u>				E3772A,A	INSPECTION SECTION	y.	Tanaka
TEST COND	DITION	MOD	ULAT	OR:	PK-2, E	LECTROMA	AGNET: TOSHIBA	VT-68934,A S/N 05J005			
ITEM SYMBO		HYDROSTATIC PRESSURE			OUTPUT WINDOW PRESSURE		OUTLINE DIMENSION				JUDGE
UNIT	TION	Pw,c=0) S[ME	آو0	Pw/g=	-0.3[MPa]					
OONDI		Pw,b=0			1	5[min.]					
No.		t=15[-,							
19K104		OK		ОК		ОК				ок	
-											
											
											
MIN		No leakage		No change of ion		Per outline		·		INSPECTOR	
SPEC. PAR No leakage MAX.			pump current		drawing				M.Shibazaki		
TYPE	E3772A	series		_	C	CANON	ELECTRON 1	UBES & DEVICES CO., LTD.			









E3772A TRANSFER CHARACTERISTICS

Tube Type:

Beam Voltage Vari [kV]

Beam Current Vari [A]

RF Pulse Width 4.5 [µs]

Pulse Rep. Rate /80 [pps]

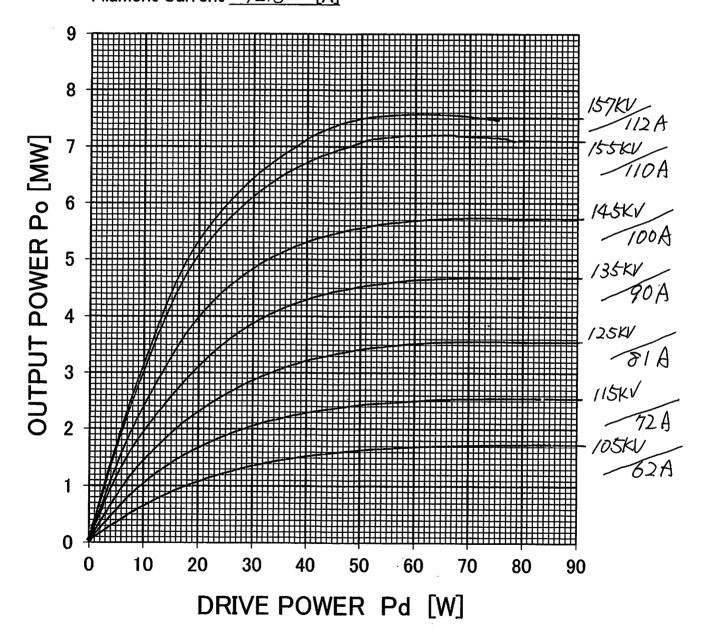
Filament Voltage /5.5 [V]

Filament Current /2/3 [A]

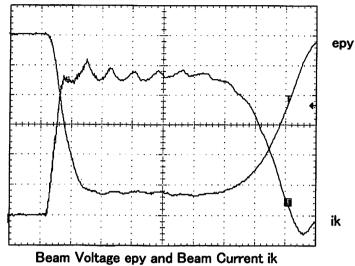
Tube S/N: 19k104 Date: 2/th Oct. 2019

Solenoid Current

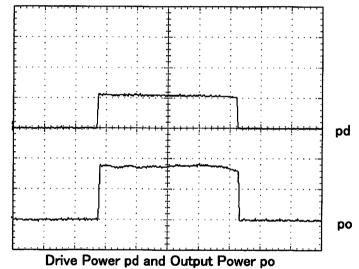
Imain: <u>34 [A]</u>
Ic.c <u>/2 [A]</u>
Frequency <u>2856 [MHz</u>



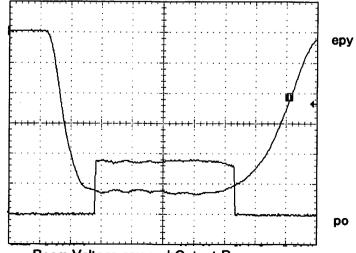
19K104



(epy = 157 [kV] , ik = 112 [A])
(X-axis: 1 [μs/div] , epy: 29.5 [kV/div], ik: 23.6 [A/div])



(pd = 62.1 [W] , po = 7.55 [MW], X-axis: $1 [\mu s/div]$)



Beam Voltage epy and Output Power po (epy = 157 [kV], po = 7.55 [MW], X-axis: 1 [μs/div])