TO: Lyncean Technologies, Inc.

INSPECTION SHEET

HIGH POWER PULSE KLYSTRON E3730A S/N 20F103

CANON ELECTRON TUBES & DEVICES CO., LTD.

TE0T 4				u.T	4. 6 ::									P/	AGE 1/2	
	CLASSIFICATI	IONIAQL	In]	d1 n	11+n2 d1·	+d2 JUDGE	MODEOTION OFFEE				APPLIED	APPLIED SPECIFICATION		PRODUCT SPECIFICATION		
	PEARANCE					TYPE HIGH POWER PULSE KLYSTRON				SUPPLY	SUPPLY QUANTITY		F INSP.	24-Jun-2020		
PRODUCTION DESIGN			\vdash								CHIEF OF INSPECTION SECTION		y. Tanak			
TEST	CONDITION	L FLECT	CRO	MAGI	NET-VT-	68099							0		<u> </u>	
1		STATIC					DYNAMIC	DVNAMIC								
ITEM		VACUUM CHECK		HEATER CURRENT		BEAM CURRENT	OUTPUT POWER	BEAM VOLTAGE	BEAM CURRENT	DRIVE POWER	GAIN	EFFICIENCY	PERVEANCE	X-ray Leakage	JUDGE	
SY	MBOL _	lion_			if	ik—	po	epy	ik	pd pd		$ \eta$	G	reavage		
UN	NIT	[µA]			[A]	[A]	[MW]	[kV]	[A]	[w]	[dB]	[%]	[μΑ/V ^{1.5}]	_[μSv/h]		
CC	ONDITION	No operat	ting	Ef=	=18.9[V]	Ef=18.9[V]				Ef=18.9[V]	<u> </u>		LMAY 1	[µ 3v/1]		
		voltage (E		(Ef	≦20[V])	epy=310[kV] tp(epy)=6.2[μ s	fo = 2856 [MHz] , tp(rf) = 4.0 [μ s] , tp(epy) = 6.2 [μ s] , fp = 50 [pps] Isol = (18.8, 30.2, 14.6, 17.1, 12.6, 4.8) [A]									
No.						fp=50[pps]	· · · · · · · · · · · · · · · · · · ·									
									-							
20	0F103	0.01			18.5	347	50.7	320	364	360	51.5	43.6	2.01	8.2		
			_													
<u> </u>																
											·					
		•	一						-		-					
			寸				1									
	MIN.	_	耳		-	345.2	50	-		_	50	42	1.95		INSPECTOR	
SPEC			_				-	-			-	_	2.1	_	4 -1 /	
	MAX.	4.0			20	379.8		320	-	500	-		2.2	20	M. Shibazaki	
TYPE	E37	30A series	1			CANON ELI	ECTRON TO	JBES & DE	VICES CO.	, LTD.	-					

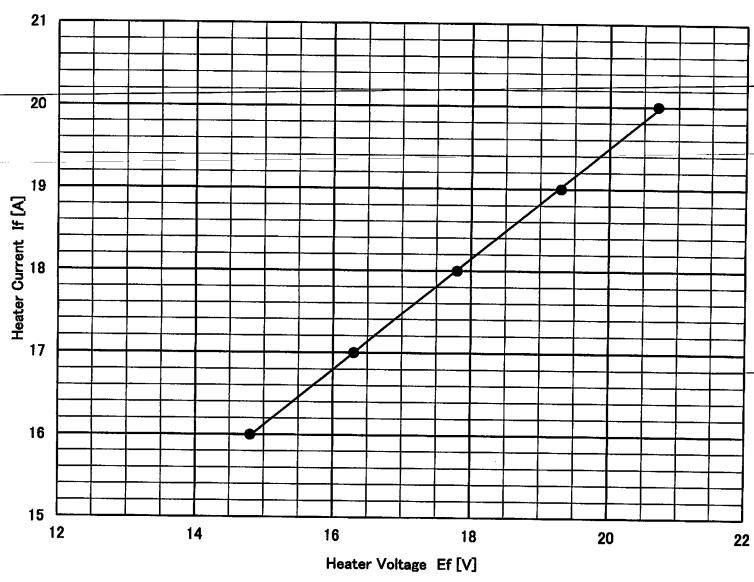
F. 3.1

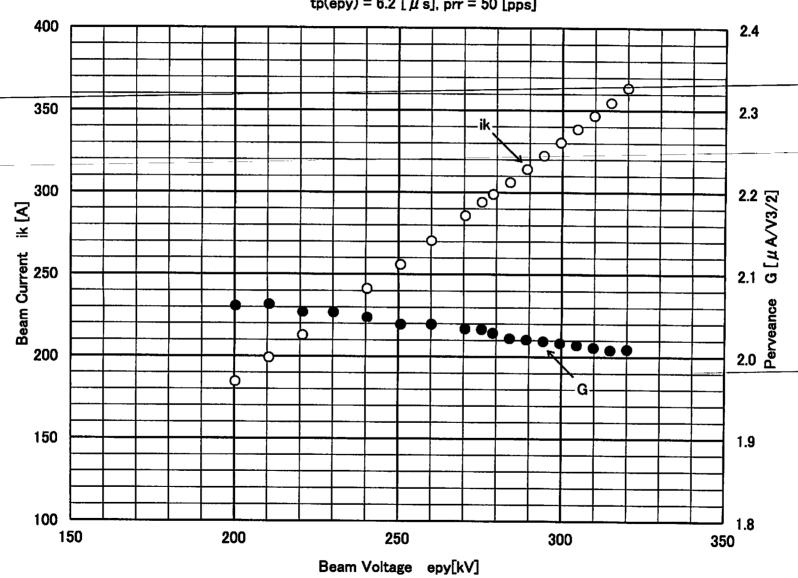
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APPEARANCE INSPECTION SHEET SUPPLY QUANTITY 1 DATE OF I	PECIFICATION
PRODUCTION DESIGN TYPE HIGH POWER PULSE KLYSTRON E3730A TEST_CONDITION ITEM HYDROSTATIC PRESSURE DIMENSION SYMBOL UNIT CONDITION P = 0.98 [MPa] (10 [kgf/cm²]) t = 15 min.	
DESIGN TEST_CONDITION ITEM HYDROSTATIC OUTLINE DIMENSION SYMBOL UNIT CONDITION P = 0.98 [MPa] (10 [kgf/cm²]) t = 15 min.	NSP. 24-Jun-2020
TEST_CONDITION	
ITEM	anaka
PRESSURE DIMENSION SYMBOL	
PRESSURE DIMENSION SYMBOL	
SYMBOL —— UNIT — CONDITION P = 0.98 [MPa] (10 [kgf/cm²]) — t = 15 min.	JUDGE
UNIT - CONDITION P = 0.98 [MPa] (10 [kgf/cm²]) t = 15 min.	
(10 [kgf/cm²]) t = 15 min.	
(10 [kgf/cm²])	
No.	
20F103 OK OK	
	ОК
MIN. No visible leaks No detectable	INSPECTOR
SPEC. PAR and no damages change in the ion	M.Shibazaki
MAX. pump indicator TYPE E3730A series CANON ELECTRON TUBES & DEVICES CO., LTD.	いんつからなるかり

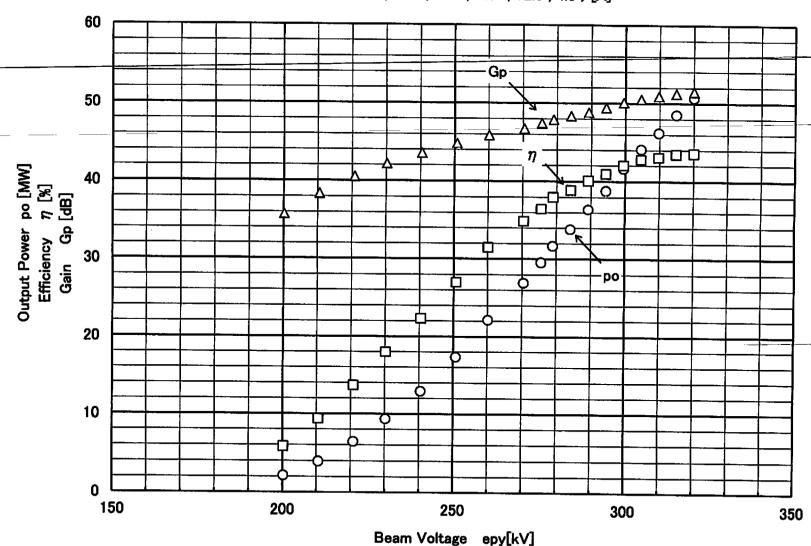
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E3730A S/N 20F103 HEATER CHARACTERISTICS



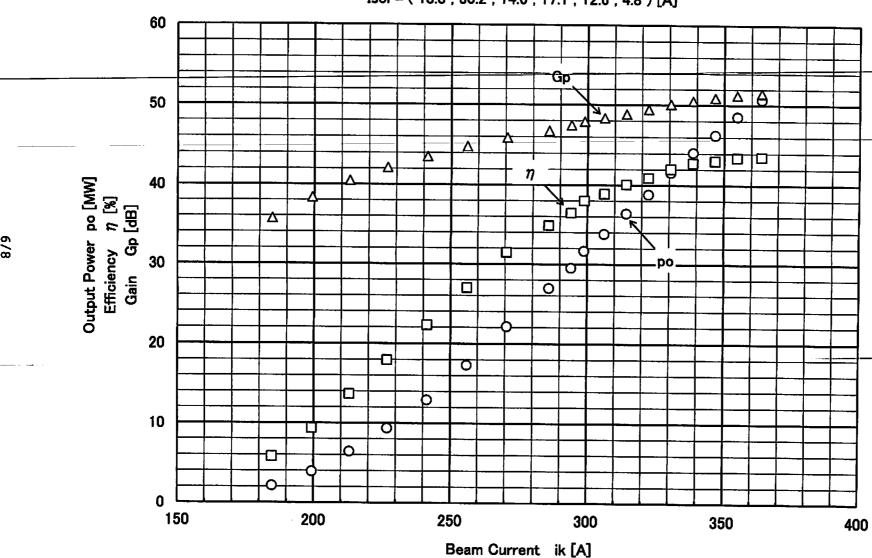


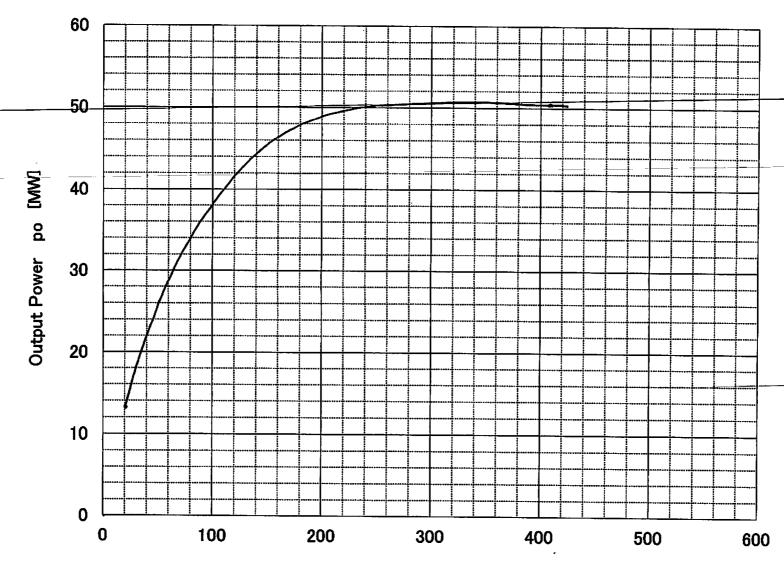
 $tp(rf) = 4.0 \ [\mu s], prr = 50 \ [pps],$ Isol = (18.8 , 30.2 , 14.6 , 17.1 , 12.6 , 4.8) [A]



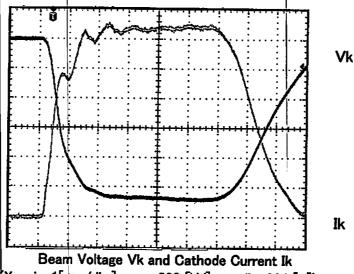
E3730A S/N 20F103 SATURATED OUTPUT CHARACTERISTICS (2)

 $tp(rf) = 4.0 \ [\mu s], prr = 50 \ [pps],$ Isol = (18.8 , 30.2 , 14.6 , 17.1 , 12.6 , 4.8) [A]

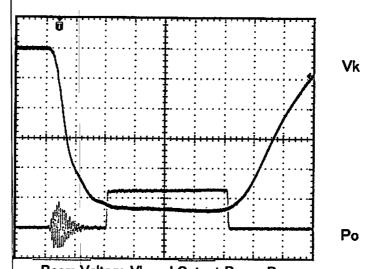




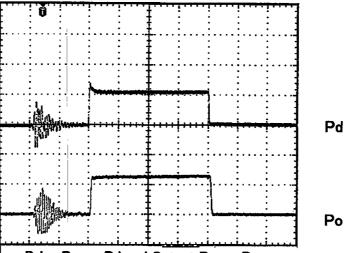
Drive Power pd [W]



X-axis:1[μ s/div.], epy= 320 [kV], ik= 364 [A])



Beam Voltage Vk and Output Power Po (X-axis:1[μ s/div.], epy= 360 [kV], po= 50.7 [MW])



Drive Power Pd and Output Power Po (X-axis:1[μ s/div.], pd = 360 [W], po= 50.7 [MW])