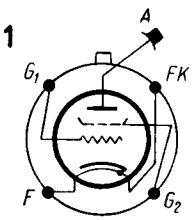
T.			U_f	I_f	U_a	U_{g2}	U_{g1}	$U_{g1(imp)}$	I_a	$I_{a(imp)}$	I_{g2}	$I_{g2(imp)}$	I_{g1}	$I_{g1(imp)}$	R_o	U_o	$P_{o(imp)}$	P_a
			V	A	V	V	V	V	mA	A	mA	A	mA	A	kΩ	V	kW	W
ГМИ-89	CCCP	1	25	3,9	25000	1500	− 600	300	20	20	8	8	5	5	1		400	
					28000	1750		350	maximum ($S = 22$ mA/V; $P_{g1} = 6$ W; $P_{g2} = 12$ W)									100
ГМИ-90	CCCP	2	25	7,8	33000	1750	− 600	300	40	40	11,5	11,5	10	10	0,725		1170	
					36000	2000		350	maximum ($S = 44$ mA/V; $P_{g1} = 5$ W; $P_{g2} = 20$ W)									120
P 535/1 E	STCE	3	26	2	15000	1250	−1000	250	30	15		5	maximum ($P_{g2} = 8$ W)					60
P 552/1 E	STCE	3	26	2	20000	1250	−1000	250	30	15		5	maximum ($P_{g2} = 8$ W)					60
QV 20-P 18	Mul	3	26	2,25	15800	1250	− 600	250	14	14	4	4	1,1	1,1	1	15000	210	
					20000	1250	− 600	250	16	16	3	3	1,1	1,1	1,2	19000	305	
					20000	1500	−1000	300		18	maximum ($P_{g1} = 3$ W; $P_{g2} = 8$ W)							60
SRS 454	RFT	3	27	2,15	12000	1200	− 650	246	10,8	10,8	1,5					10800	116	
					15000	1200	− 700	269	13	13	1,1					13000	169	
					17500	800	− 600	240	12,8	12,8	0,2					12800	164	
					17500	1200	− 800	273	15	15	1					15000	225	
					400	200	(stat)		100	$S = 11,5$ mA/V; $\mu_{(g2/g1)} = 5,5$								
					17500	1300	−1000		maximum ($P_{g1} = 3$ W; $P_{g2} = 8$ W)									60

T.	C_{g1}	C_a	$C_{g1/a}$
	pF	pF	pF
ГМИ-83	50	10	5
ГМИ-89	60	12	6
ГМИ-90	110	16	10
P 535/1 E	35	7	1,2
P 552/1 E	35	7	1,3
QV 20-P 18	43	9	0,3
SRS 454	45	13	2,5
715 C	37,5	7,5	2

Equivalents

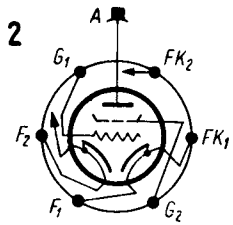
C 1111	EEV = QV 20-P 18	PSN 1	Maz = P 552/1 E
ГМИ-83	CCCP = QV 20-P 18	**4 PR 60 A**	Eim = QV 20-P 18
Г-483	CCCP = QV 20-P 18	5 D 21	amer = P 552/1 E
Г-489	CCCP = ГМИ-89	715 B	Ray = P 535/1 E
Г-490	CCCP = ГМИ-90	715 C	amer = P 552/1 E

1



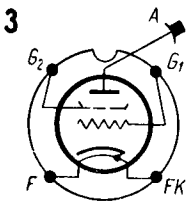
ГМИ-89

2



ГМИ-90

3



QV20-P18

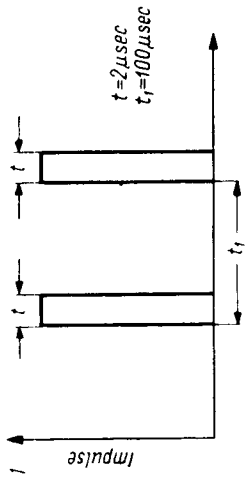
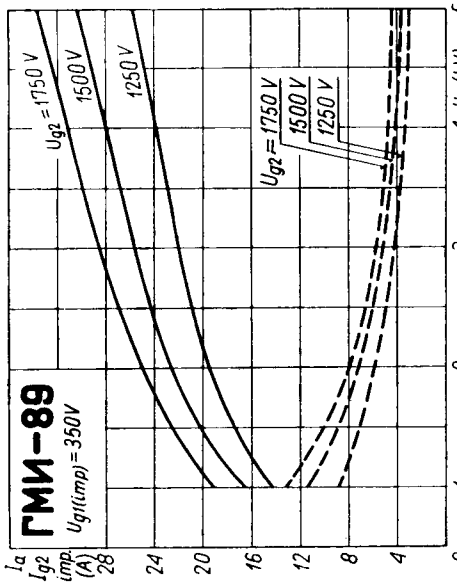
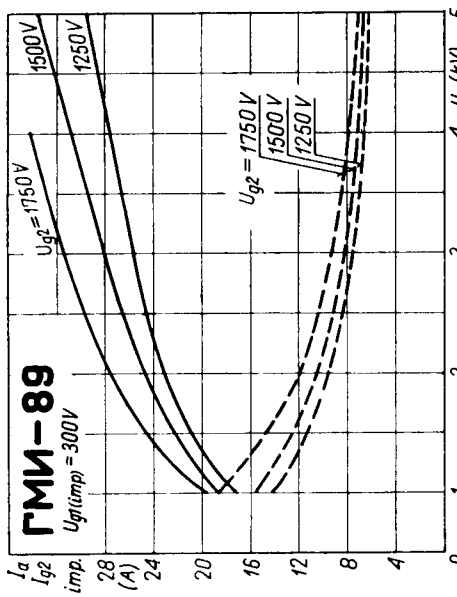
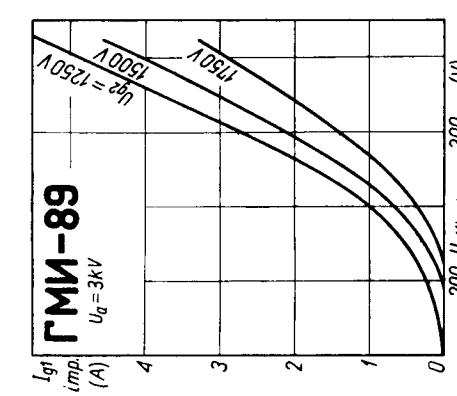
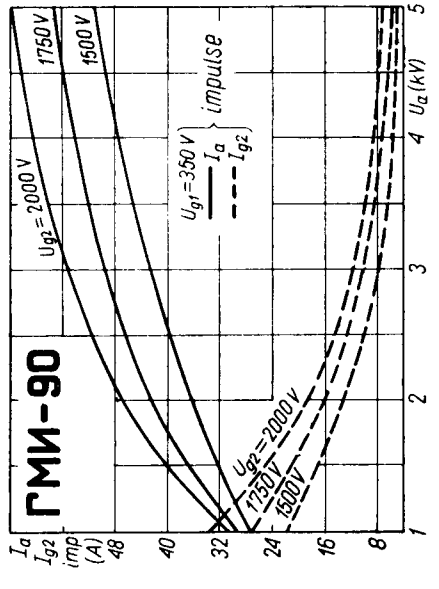


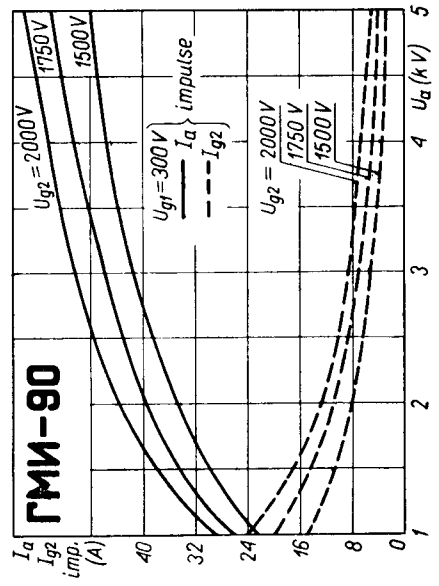
Fig.1
impulse
t
t
t
t1
t=2μsec
t1=100μsec

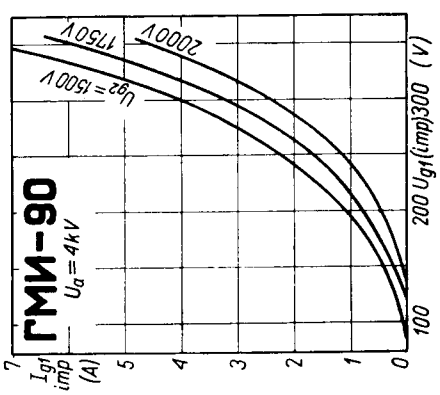

ГМИ-89
Ug1(imp)=350V
Ug2=1750 V
1500 V
1250 V
Ia
Ig2
imp.
(A)
Ua (kV)

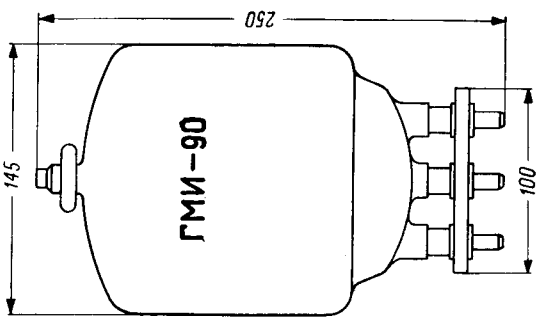

ГМИ-89
Ug1(imp)=300V
Ug2=1750 V
1500 V
1250 V
Ia
Ig2
imp.
(A)
Ua (kV)

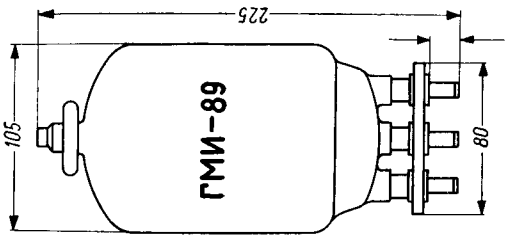

ГМИ-89
Ua=3kV
Ug2=1250V
1500V
1750V
Ig1
imp.
(A)
Ug1(imp)
(V)

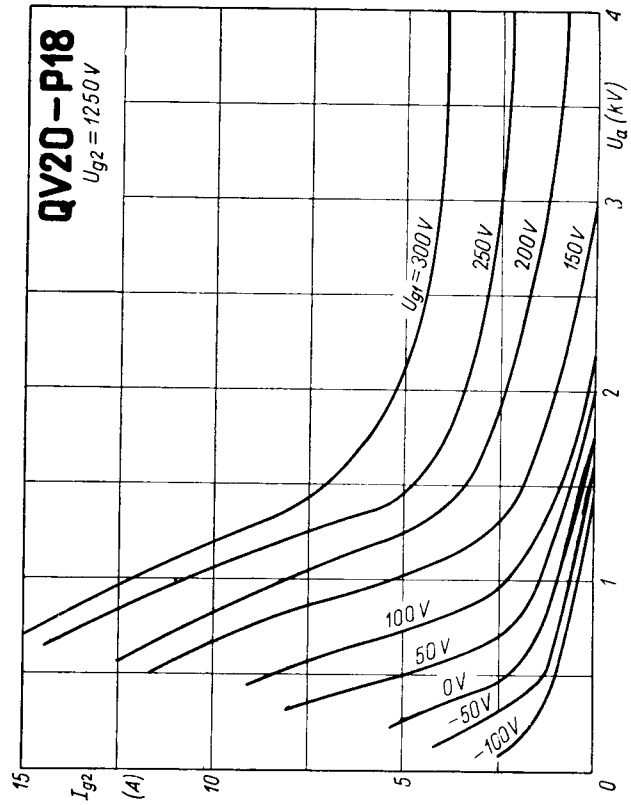

ГМИ-90
Ug2=2000 V
1750 V
1500 V
Ug1=350 V
Ia
Ig2
impulse
Ia
Ig2
imp.
(A)
Ua (kV)

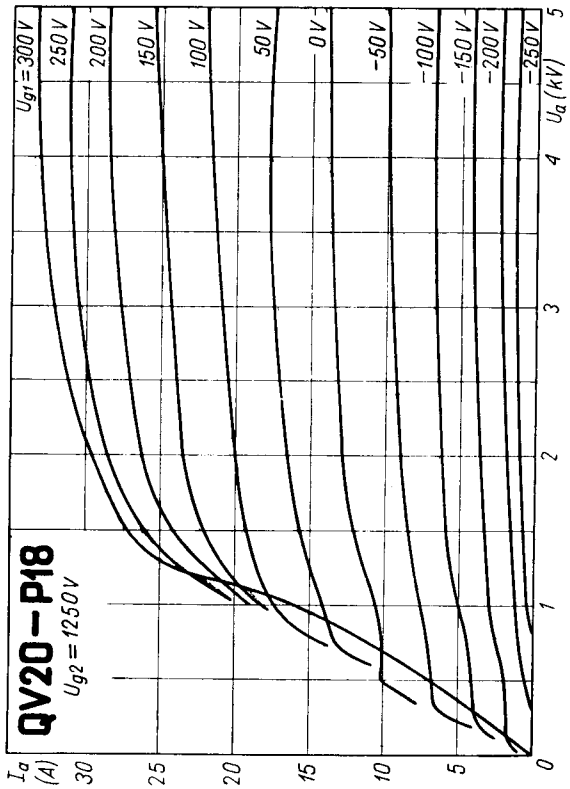

ГМИ-90
Ug2=2000V
1750V
1500V
Ug1=300V
Ia
Ig2
impulse
Ug2=2000V
1750 V
1500 V
Ia
Ig2
imp.
(A)
Ua (kV)

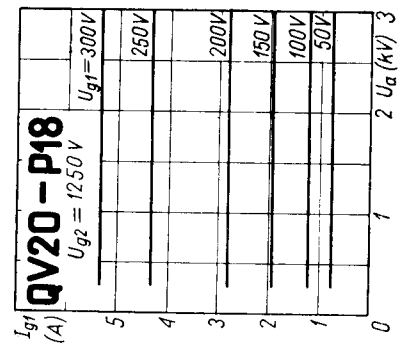

ГМИ-90
Ua=4kV
Ug2=1500V
1750V
2000V
Ig1
imp
(A)
Ug1(imp)
(V)

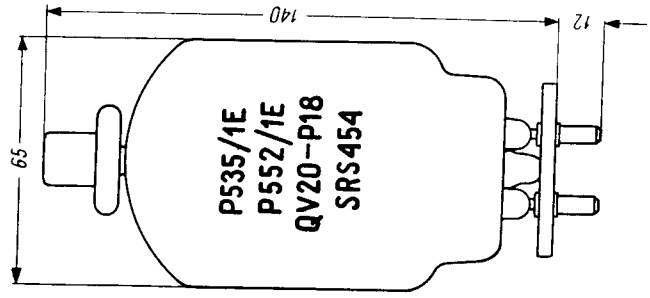

ГМИ-90
250
145
100


ГМИ-89
225
105
80


QV20-P18
U_{g2} = 1250 V
I_{g2} (A)
U_a (kV)
U_{g1} = 300 V
250 V
200 V
150 V
100 V
50 V
0 V
-50 V
-100 V


QV20-P18
U_{g2} = 1250 V
I_a (A)
U_a (kV)
U_{g1} = 300 V
250 V
200 V
150 V
100 V
50 V
0 V
-50 V
-100 V
-150 V
-200 V
-250 V


QV20-P18
U_{g2} = 1250 V
I_{g1} (A)
U_a (kV)
U_{g1} = 300 V
250 V
200 V
150 V
100 V
50 V


P535/1E
P552/1E
QV20-P18
SRS454
140
65
12