

Svetlana Tubes - Summary parameters

Type	sort	Application	Envelope	Cooling	Size	Mass	Filament voltage	Filament current	Mutual conductance	Gain coefficient	Output power	Maximum anode voltage	Maximum operating frequency
GU5A	triode	Amplification, RF heating	glass to metall	water forced	210mmx100mm	1 kg	12.6 V	20 to 27 A	12 to 18 mA/V	60 to 85	3.5 kW	5 kV	110 MHz
GU5B	triode	Amplification, RF heating	glass to metall	forced air	210mmx100mm	2.5 kg	12.6 V	20 to 27 A	12 to 18 mA/V	60 to 85	2.5 kW	5 kV	110 MHz
GU10A	triode	Amplification, generation	glass to metall	water forced	320mmx100mm	3 kg	7 V	70 to 80 A	15 to 25 mA/V	40 to 45	10 kW	8 kV	26 MHz
GU10B	triode	Amplification, generation	glass to metall	forced air	330mmx128mm	6 kg	7 V	70 to 80 A	15 to 25 mA/V	45 to 55	10 kW	8 kV	26 MHz
GU13	beam tetrode	Amplification, generation	glass with base	air	191mmx65mm	300 g	10 V	4.7 to 5.5 A	3.1 to 4.9 mA/V		0.1 kW	2 kV	30 MHz
GU17	double beam tetrode	Amplification, generation	miniature glass	air	80mmx22.5mm	25 g	6.3 V	0.72 to 0.88 A	1.6 to 3.3 mA/V		12 W	0.4 kV	250 MHz
GU19-1	double tetrode	Oscillator, amplifier, frequency mult	glass with base	air	100mmx40mm	100 g	6.3 or 12.6 V	0.75-0.95/1.5-1.9 A	at least 4 mA/V		40 W	0.75 kV	500 MHz
GU21B	triode	Oscillator, amplifier	glass to metall	forced air	355mmx142mm	8 kg	8.3 V	140 to 160 A	25 to 35 mA/V	41 to 55	10 kW	9 kV	26 MHz
GU22A	triode	Oscillator, amplifier	glass to metall	water forced	355mmx120mm	5 kg	8.3 V	140 to 160 A	28 to 35 mA/V	41 to 58	20 kW	10 kV	26 MHz
GU23A	triode	Oscillator, amplifier	glass to metall	water forced	560mmx230mm	11 kg	12 V	195 to 225 A	42 to 56 mA/V	42 to 57	60 kW	11 kV	26 MHz
GU23B	triode	Oscillator, amplifier	glass to metall	forced air	550mmx175mm	15 kg	12 V	195 to 225 A	41 to 56 mA/V	42 to 58	50 kW	12 kV	26 MHz
GU29	double beam tetrode	Oscillator, amplifier	glass	forced air	110mmx61mm	125 g	12.6 V	1 to 1.3 A			40 W	0.75 kV	metric waves
GU32	double beam tetrode	Oscillator, amplifier	glass	air	88mmx52.5mm	100 g	12.6 V	0.7 to 0.9 A			15 W	0.5 kV	metric waves
GU32V	double beam tetrode	Oscillator, amplifier	glass	air	88mmx52.5mm	100 g	12.6 V	0.72 to 0.88 A	3 to 4.8 mA/V		15 W	0.5 kV	250 MHz
GU33A	tetrode	Oscillator	glass to metall	liquid	85mmx45mm	130 g	6.3 V	4.7 to 5.6 A	20 to 32 mA/V	8 to 16	0.15 kW	1.5 kV	500 MHz
GU33B	tetrode	Amplifier	glass to metall	forced air	85mmx50mm	220 g	6.3 V	4.7 to 5.6 A	20 to 32 mA/V	13	0.15 kW	1.5 kV	500 MHz
GU34B	tetrode	Amplifier	glass to metall	forced air	125mmx94mm	1 kg	12.6 V	3.3 to 4 A	22 to 34 mA/V	19	0.5 kW	4 kV	250 MHz
GU34B-1	tetrode	Amplifier	glass to metall	forced air	126mmx94mm	1 kg	12.6 V	3.6 to 4.4 A	60 to 80 mA/V		0.65 kW	2.5 kV	250 MHz
GU36B-1	tetrode	Amplifier	metall-ceramic	forced air	300mmx184mm	11 kg	8.3 V	110 to 130 A	70 to 96 mA/V	7 to 13	15 kW	8 kV	250 MHz
GU39A-1	tetrode	Amplifier	glass to metall	water forced	292mmx128mm	4 kg	6.3 V	85 to 105 A	20 to 28 mA/V	6 to 9	8 kW	10 kV	100 MHz
GU39B-1	tetrode	Amplifier	glass to metall	forced air	293mmx128mm	8 kg	6.3 V	85 to 105 A	20 to 28 mA/V	6 to 9	8 kW	10 kV	100 MHz
GU39P-1	tetrode	Amplifier	glass to metall	forced evaporation	298mmx146mm	4 kg	6.3 V	85 to 105 A	20 to 28 mA/V	6 to 9	10 kW	10 kV	100 MHz
GU43A	tetrode	Oscillator, amplifier	glass to metall	liquid	125mmx85mm	700 g	12.6 V	6 to 7.2 A	40 to 50 mA/V		1 kW	3.3 kV	100 MHz
GU43B	tetrode	Oscillator, amplifier	glass to metall	forced air	125mmx100mm	1.5 kg	12.6 V	6 to 7.2 A	40 to 50 mA/V		1 kW	3.3 kV	100 MHz
GU44A	tetrode	Amplifier	glass to metall	water forced	506mmx182mm	13 kg	12.6 V	170 to 200 A	55 to 75 mA/V	4.2 to 6.2	50 kW	12 kV	32 MHz +
GU44B	tetrode	Amplifier	glass to metall	forced air	506mmx225mm	33 kg	12.6 V	170 to 200 A	55 to 75 mA/V	4.2 to 6.2	50 kW	12 kV	32 MHz +
GU45A	triode	Oscillator, amplifier, modulator	glass to metall	water forced	294mmx146mm	4 kg	7.5 V	140 to 160 A	19.5 to 28.5 mA/V	19 to 25	20 kW	10 kV	50 MHz +
GU46	pentode	Oscillator, amplifier	glass	air	230mmx140mm	0.9 kg	8.3 V	13.5 to 16 A	7.5 to 11.5 mA/V	4 to 6	0.5 kW	3 kV	60 MHz +
GU47A	tetrode	Amplifier	glass to metall	water forced	260mmx91mm	2 kg	6.3 V	57 to 67 A	36 to 44 mA/V	8 to 12	6 kW	6 kV	70 MHz
GU47B	tetrode	Amplifier	glass to metall	forced air	260mmx124mm	2 kg	6.3 V	57 to 67 A	36 to 44 mA/V	8 to 12	4 kW	6 kV	70 MHz
GU48	triode	Amplifier	glass	air	230mmx115mm	0.85 kg	10 V	9.2 to 10.8 A		29 to 41	0.3 kW	3 kV	75 MHz
GU50	pentode	Oscillator, amplifier	glass	air	93.5mmx45.3mm	100 g	12.6 V	0.6 to 0.85 A	3 to 5.5 mA/V		40 W	0.6 to 1 kV	2.5 to 7 m
GU53A	tetrode	Amplifier	metall-ceramic	water forced	472mmx210mm	20 kg	14 V	230 to 260 A	110 to 140 mA/V	7 to 10	50 kW	12 kV	75 MHz
GU53B	tetrode	Amplifier	metall-ceramic	forced air	472mmx225mm	33 kg	14 V	230 to 260 A	110 to 140 mA/V	7 to 10	45 kW	12 kV	75 MHz
GU56	triode	Oscillator, amplifier, RF heating	glass to metall	air	280mmx161mm	4 kg	6.3 V	21.5 to 26.5 A	6 to 10 mA/V	11 to 19	0.7 kW	3.5 kV	45 MHz
GU61B	tetrode	Amplifier	metall-ceramic	forced air	330mmx204mm	18 kg	6.3 V	121 to 141 A	63 to 85 mA/V	7 to 9	25 kW	10 kV	70 MHz
GU61P	tetrode	Amplifier	metall-ceramic	forced evaporation	330mmx204mm	17 kg	6.3 V	121 to 145 A	63 to 85 mA/V	7 to 9	30 kW	10 kV	70 MHz
GU62A	triode	Oscillator, amplifier	glass to metall	water forced	430mmx177mm	7 kg	12 V	105 to 135 A	50 to 70 mA/V	10 to 27	40 kW	8 to 10.5 kV	85 MHz
GU63	tetrode	Oscillator, amplifier	glass to metall	air	65mmx30mm	40 g	6.3 V	0.63 to 0.75 A	1.8 to 3.8 mA/V		13 W	0.7 kV	250 MHz
GU66A	triode	Amplifier	metall-ceramic	water forced	420mmx183mm	16 kg	13.5 V	200 to 250 A	95 to 125 mA/V	39 to 53	60 kW	10 kV	30 MHz
GU66B	triode	Amplifier	metall-ceramic	forced air	420mmx211mm	23 kg	13.5 V	200 to 250 A	95 to 125 mA/V	39 to 53	60 kW	10 kV	30 MHz
GU66P	triode	Amplifier	metall-ceramic	forced evaporation	420mmx244mm	25 kg	13.5 V	200 to 250 A	95 to 125 mA/V	39 to 53	60 kW	10 kV	30 MHz
GU68A	triode	Amplifier	metall-ceramic	water forced	530mmx215mm	24 kg	20 V	300 to 330 A	115 to 145 mA/V	30 to 38	130 kW	12 kV	30 MHz
GU68P	triode	Amplifier	metall-ceramic	forced evaporation	540mmx244mm	35 kg	20 V	300 to 330 A	115 to 145 mA/V	30 to 38	130 kW	12 kV	30 MHz