

Russian 6P3S, 6P3S-E = 6n3C, 6n3C-E

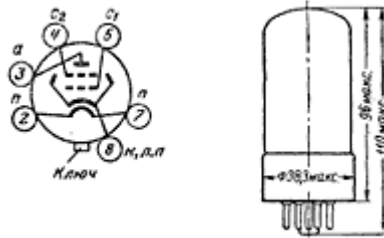
General

Tetrode, used in output stages of low frequency amplifiers.

Envelope: glass, with octal base.

Mass 70 g.

Lead diagram



General characteristics:

Type	6P3S	6P3S-E
Filament voltage, Volt	6.3	6.3
Anode voltage, Volt	250	250
1 st grid voltage, Volt	-14	-14
2 nd grid voltage, Volt	250	250

Type	6P3S	6P3S-E
Filament (heater) current, mA	900±90	880±40
Anode current, mA	72±18	73±13
2 nd grid current, mA	no more than 9	no more than 6
1 st grid reverse current, mA	≤ 3	≤ 0.5
Cathode current, mA	no less than 275	-
Output power, W	no less than 5.4	no less than 5.8
Mutual conductance, mA/V	5.2 to 6.8	5.2 to 6.8
Internal resistance, kΩ	25	no more than 65
Inter electrode capacitance, pF:		
Input	11±2	11
Output	8.2±1.5	6.7
Transfer	no more than 1	no more than 1
Operation time, h	≥ 1000	≥ 5000

Limited operating values:

Type	6P3S	6P3S-E
Filament voltage, V	5,7-7	6-6.6
Anode voltage, V	375	250
2 nd grid voltage, V	300	250
Cathode - heater voltage, V	100	90 / -200
Cathode current, mA	-	90
Anode dissipation, W	20	20.5
2 nd grid dissipation, W	2.75	2
Resistance in 1 st grid circuit, kΩ	500	150

Operating environmental conditions :

Type	6P3S	6P3S-E
Acceleration of vibration loads, g	1.5	3
by frequencies, Hz	50	5 to 300
Acceleration of multiple impacts, g	-	12
Acceleration of single impact, g	-	100
Continuos acceleration, g	-	100
Ambient temperature, °C	-60 to +70	-60 to +160
Relative humidity at up to 40°C, %	98	98

Plate and plate-grid curves

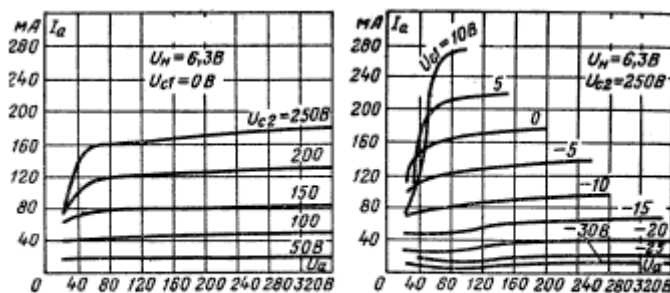


Plate curves

Plate-grid curves