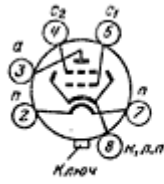


# 6P3SZ, 6P3SZ-E (6n3C, 6n3C-E)

**General:** Tetrode, used in output stages of low frequency amplifiers. Envelope: glass, with octal base. Mass: 70 g.



## General characteristic

Type	6P3SZ	6P3SZ-E
Filament voltage, Volt	6,3	6,3
Anode voltage, Volt	250	250
1 <sup>st</sup> grid voltage, Volt	-14	-14
2 <sup>nd</sup> grid voltage, Volt	250	250
Type	6P3SZ	6P3SZ-E
Filament (heater) current, mA	900 ±90	880 ±40
Anode current, mA	72 ±18	73 ±13
2 <sup>nd</sup> grid current, mA	no more than 9	no more than 6
1 <sup>st</sup> grid reverse current, mkA	< 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	6P3SZ	6P3SZ-E
Filament voltage, V	5,7-7	6-6.6
Anode voltage, V	375	250
2 <sup>nd</sup> grid voltage, V	300	250
Cathode - heater voltage, V	100	90 / -200
Cathode current, mA	-	90
Anode dissipation, W	20	20,5
2 <sup>nd</sup> grid dissipation, W	2.75	2
Resistance in 1 <sup>st</sup> grid circuit, kΩ	500	150

## Operating environmental conditions:

Type	6P3SZ	6P3SZ-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
Continuous 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

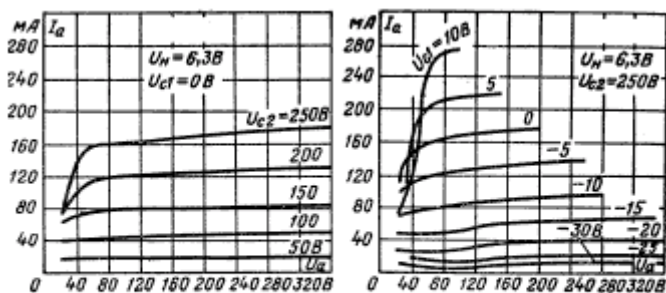


Plate curves

Plate-grid curves