

6P14P, 6P14P-V, 6P14P-EV

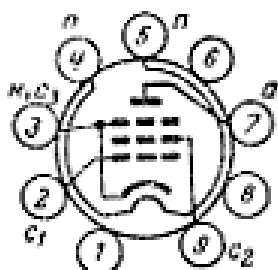
(6n14n, 6n14n-B, 6n14n-EB)

General

Pentode for output stages of low frequency amplifiers.

Envelope: miniature, glass.

Mass 20 g.



General characteristics:

Type	6P14P	6P14P-V	6P14P-EV
Filament voltage, Volt	6.3	6.3	6.3
Anode voltage, Volt	250	250	250
2 nd grid voltage, Volt	250	250	250
Resistance in cathode circuit, Ohm	120	120	120
Type	6P14P	6P14P-V	6P14P-EV
Filament (heater) current, mA	760±60	760±60	760±60
Anode current, mA	48±8	48±8	48±8
2 nd grid current, mA	5	5	5
Reverse 1 st grid current, mA	≤ 1	≤ 1	≤ 1
Dissipate cathode-heater current, mA	≤ 25	≤ 25	≤ 25
Mutual conductance, mA/V	11.3	11.5	11.5
Output power (by $R_A=5.2\text{Kohm}$), W	4.2	4.3	4.3
Non-linear distortion, %	8	8	8
Internal resistance, Kohm	-	-	-
Equivalent noise resistance, Ohm			300
Inter electrode capacitance, pF:			
input	11	11±2.5	11±2.5
output	7	8±2	8±2
transfer	≤ 0.2	0.75-0.4	0.75-0.4
Operation time, h	3000	1000	5000

Limited operating values:

Type	6P14P	6P14P-V	6P14P-EV
Filament voltage, V	5,7-7	5,7-7	5,7-7
Anode voltage, V	300-400	300-500	300-500
2 nd grid voltage, V	300	300-500	300-500
Cathode - heater voltage, V	100	200	200
Cathode current, mA	65	65	65
Anode dissipation, W	14	14	14
2 nd grid dissipation, W	2.2	2	2
Resistance in 1 st grid circuit, MOhm	1	1	1

Operating environmental conditions :

Type	6P14P	6P14P-V	6P14P-EV
Acceleration of vibration loads, g	2.5	6	10
by frequencies, Hz	50	5-600	5-600
Acceleration of multiple impacts, g	35	150	150
Acceleration of single impact, g	--	300	300
Ambient temperature, °Ñ	-60 to +70	-60 to +70	-60 to +70
Relative humidity at up to 40°C, %	98	98	98

Plate-grid and plate curves of 6P14P

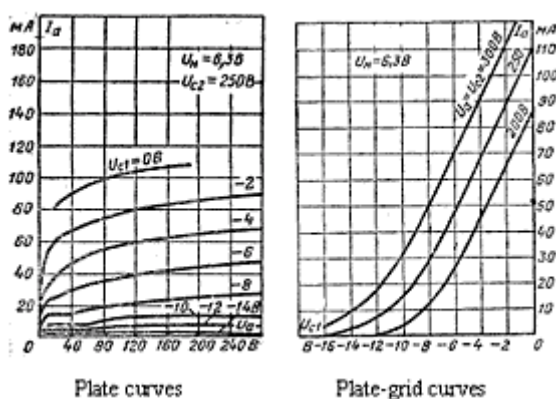


Plate-grid and plate curves of 6P14P-EV

