

SYLVANIA ELECTRIC**RMA Registration Data****TYPE 6BK6****DOUBLE - DIODE TRIODE****MECHANICAL DATA**

Style	miniature
Cathode	coated, unipotential
Bulb	T-5 1/2
Base	E7-1, miniature button 7-pin
Outline	5-3
Maximum Diameter	3/4 inch
Maximum Overall Length	2 5/8 inches
Maximum Seated Height	2 3/8 inches
Basing	7BT-0-2
<i>Pin Connections:</i>	
Pin 1 .. grid	Pin 5 .. #2 diode plate
Pin 2 .. cathode, diode shield	Pin 6 .. #1 diode plate
Pin 3 .. heater	Pin 7 .. triode plate
Pin 4 .. heater	

Mounting Position	any
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ELECTRICAL DATA**DIRECT INTERELECTRODE CAPACITANCES**

	<u>without shield</u>	<u>with shield</u> ⁽¹⁾
#2 Diode Input: #2p to (h+k+i.s.)	1.0	1.0 μf
#1 Diode Input: #1p to (h+k+i.s.)	1.0	1.0 μf
#1 Diode Plate to Grid, maximum	.013	.01 μf

RATINGS -- Design Center Values

Heater Voltage (ac or dc)	6.3	volts
Maximum Heater-Cathode Voltage	90	volts
Maximum Plate Voltage (dc)	300	volts
Maximum Positive Grid Voltage (dc)	0	volts
Maximum Continuous Diode Current (each plate)..	1.0	milliamp

CHARACTERISTICS

Heater Voltage	6.3	6.3	volts
Heater Current	300	300	milliamps
Plate Voltage (dc)	100	250	volts
Grid Voltage (dc)	-1	-2	volts
Plate Resistance	80,000	62,500	ohms
Plate Current	0.5	1.2	milliamps
Transconductance	1,250	1,600	micromhos
Amplification Factor	100	100	

Average Diode Current, at 10 volts dc (each plate)	4.0	milliamps
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(1) External shield #316
connected to Pin 2.