



ELECTRONIC TUBE REFERENCE

6MDX1B

Specialized - Sensor Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

SENSOR

Russian mechanotron transducer using a movable electrode to measure excess pressure electrically. Mechanical pressure displacement changes electrode current for precision instrumentation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 127 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Sensor	
PLATE RESISTANCE	2000 Ω
MAXIMUM PLATE VOLTAGE	17 V
MAXIMUM CATHODE CURRENT	12 mA
<i>Values promoted from the complete filename-matched Russian entry only.</i>	

Mechanotron transducer for measurement of excess pressure in instrumentation. Extracted and translated from the complete Russian entry corresponding to the PDF filename; neighboring page-break fragments were excluded.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1981 Russian Tubes Katsnelson and Larionov

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1981 RUSSIAN TUBES KATSNELSON AND LARIONOV

Section 1 · Sensor

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Moving-anode current	8.5 mA	Translated from Russian source; filename-matched entry only
Fixed-anode current	8.5 mA	Translated from Russian source; filename-matched entry only
Internal resistance maximum	2 kOhm	Translated from Russian source; filename-matched entry only
Current sensitivity to pressure	0.005 uA/Pa	Translated from Russian source; filename-matched entry only
Service life minimum	1000 h	Translated from Russian source; filename-matched entry only
Maximum pressure	1000000 Pa	Translated from Russian source; filename-matched entry only

TUBE TINKER

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