


[About us](#)
[News](#)
[Product Service](#)
[Contact](#)


+7 (4912) 24-90-62

sales@plasmalabs.ru

Products ▾

[Home](#) → [X-ray tubes](#) → IRTP3-150D

IRTP3-150D

1. General information

Compact pulse not protected from lost radiation X-ray tube IRTP3-D with cold cathode is designed for medical X-ray treatment of the sick in stationary and nonstationary conditions and for industrial X-raying materials. The tube can be applied in local fault detector "Arina-1", "Arion" and in X-ray machinery under development.

2. Basic specifications

2.1 Electrical and X-ray specification

Characteristic, unit measure	rate			test data	Appendix
	min	nominal	max		
Tube voltage, kV	90		150		
X-ray radiation exposure doze for a pulse (average value), mrad	25				1,2
The size of efficient focus spot (diameter), mm		1,5	1,8		

Notice:

1. With the tube voltage 150 kV, pulse rate 15 s⁻¹ and capacitance discharged through the tube, C=30 petapharad.

2. The period of delay 1s, the amount of switching-on 10, the distance from the tube window 50 mm.

2.2 Marginal operating conditions

Characteristic, unit measure	rate	
	min	max
Tube voltage, kV	90	150
Pulse rate, Hz		15
Capacity discharge on the tube, pf		30
Cycling operating mode: tube operating time for an hour with time rate 15Hz, min		15

Notice: the operating of the tube is acceptable with the voltage far exceeding 150 kV but in case of reducing current period through the tube (chopping gap) about several units ns.

2.3 Minimal lifetime – 10⁶ pulses.



After-Sales

Repair

Mounting

The goods are custom-made.
Please, call us and agree on the delivery time with our manager.
+7 4912 24-90-62

© 1999—2015 JSC «PLASMA»
390023, Tsiolkovsky st, 24,
Ryazan, Russian Federation

[Website creation](#)
Element studio