

BITR-M TYPE TRITIUM MODIFIED SOURCES OF BETA RADIATION

Areas of Application

The sources are to be used in ion generators (neutralizers)

Specification

Sealed source of ionizing radiation. The designed service life is 8 years

Advantages

The ionizing radiation sources have as good physical and engineering characteristics and as long service life as the world best analogs

Modification	Parameter	
	Ionization current, nA, at least	Activity, GBq (Ci), at most
BITR-M1	41.7	17.4 (0.47)
BITR-M2	101.8	42.5 (1.15)
BITR-M3	216.2	90.3 (2.44)
BITR-M4	342.6	143.1 (3.87)
BITR-M5	37.9	15.8 (0.43)
BITR-M6	140.6	58.7 (1.59)
BITR-M7	9.8	4.1 (0.11)
BITR-M7a	4.9	2.05 (0.055)

Stage of Development. Suggestions for Commercialization

IRL6, TRL8

Manufacture, delivery, warranty service, and staff training, upon request

IPR Protection

IPR3

Contact Information

Oleksandr V. Kovalenko, Institute for Nuclear Research of the NAS of Ukraine; +38 044 525 26 14, e-mail: akovalenko@kinr.kiev.ua