

ELECTRONIC TUBE REFERENCE

QK235

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Mechanically or frequency-tunable high-power pulsed magnetron designed for radar and related microwave service across its specified tuning range.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	11 V / 11 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Magnetron	
MAXIMUM PLATE VOLTAGE	24000 V
MAXIMUM CATHODE CURRENT	30 A
Published ratings and characteristics promoted where clearly stated; identical repeated sections compressed where applicable.	

Printed co-designation for the RK6344 mechanically tunable pulsed magnetron.

SOURCE OPERATING CONDITIONS

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Magnetron

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	11 V	Published nominal or representative value
Heater or filament current	11 A	Published nominal or representative value
Frequency range	5450–5825 MHz	Published operating or tuning range

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RF power output	175000 W	Published nominal or minimum output
Maximum pulse duration	3 us	Published pulse limit
Maximum duty cycle	0.0015 fraction	Published duty-cycle limit

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker