

ELECTRONIC TUBE REFERENCE

DX151

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

KLYSTRON

Amperex tunable reflex klystron designed for millimeter-wave signal generation, using compact high-frequency construction for specialized microwave instrumentation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / 1.75 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Klystron
No fixed ratings recorded.
Published ratings, characteristics and special-purpose operating data reviewed.

DX151 is listed in the supplied Amperex material as a reflex tunable millimeter-wave klystron. Published ratings and characteristics were captured from the supplied table.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · Klystron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	1.75 A	Published rating
Frequency range minimum	67000 MHz	ReflexKlystron
Frequency range maximum	73000 MHz	ReflexKlystron
Electronic tuning range	100 MHz	ReflexKlystron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Beam voltage	2450 V	ReflexKlystron
Reflector voltage	300 V	ReflexKlystron
Beam current	17 mA	ReflexKlystron
Power output	0.1 W	ReflexKlystron