ELECTRONIC TUBE REFERENCE

MPS1A

Specialized - Ignitron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
IGNITRONPOWERSWITCH

Marconi mercury-pool ignitron using an electrostatic ignition electrode for controlled high-current power switching.

General characteristics

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

Section ratings

SECTION1 IgnitronPowerSwitch

PEAK INVERSE VOLTAGE	6000 V
PEAK FORWARD CURRENT	500 A

Ignitron switching device; pulse and ignitor data retained in parameters.

The Marconi MPS1A is a mercury-pool ignitron employing an electrostatic ignition electrode.

SOURCE OPERATING CONDITIONS

1955 Marconi

SOURCE PDF

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

1955 MARCONI

Section 1 · IgnitronPowerSwitch

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak forward voltage	**6000 V**	—
Peak inverse voltage	**6000 V**	—
Normal peak current	**500 A**	—
Normal RMS current	**1 A**	—
Permissible negative ignitor voltage	**1000 V**	—
Normal duty factor	**0.000002**	—

TUBE TINKER

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