



ELECTRONIC TUBE REFERENCE

GL889

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Water-cooled high-power transmitting triode for professional RF service. Approximately 5 kW plate dissipation and 8.5 kV capability support roughly 10 kW RF output through the HF range.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	11 V / 125 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	2000 Ω
TRANSCONDUCTANCE	0.01 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	8500 V
MAXIMUM PLATE DISSIPATION	5000 W
Explicit equivalent/previous designation published on ESW5000 datasheet.	

American GL889 designation identified on the ESW5000 water-cooled triode sheet.



SOURCE OPERATING CONDITIONS

1961 AEI Industrial Valves

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

1961 AEI INDUSTRIAL VALVES

Section 1 · Triode

CONSTRUCTION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cooling method	Water	—



SOURCE OPERATING CONDITIONS

1961 Associated Electrical Industries

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

1961 ASSOCIATED ELECTRICAL INDUSTRIES

Section 1 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum operating frequency	25 MHz	—
RF power output	10 kW	—
Main water flow	3-6 gal/min	—
Seal air flow	15 ft ³ /min	—

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