

TECHNICAL DATA SHEET

Thales

ITL 12-1

triode

PRODUCT PHOTO



General

Tube Type	Triode
Construction	Metal-ceramic coaxial
Cooling	Forced air

Cathode

Cathode	thoriated tungsten
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Filament

Filament voltage	5.8
Filament voltage unit	V
Filament current	145
Filament current unit	A
Max. heater surge current	600
Max. heater surge current unit	A

Capacitance

grid-anode capacitance	21
grid-anode capacitance unit	pF
grid-cathode capacitance	55
grid-cathode capacitance unit	pF
cathode-anode capacitance	1.0
cathode-anode capacitance unit	pF

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Operating Parameters

Grid voltage	-1500
Grid voltage unit	V
Anode current, CW unit	A
Grid current, at full load, CW	0.8
Grid current, at full load, CW unit	A
Grid current, at no load, CW	1.5
Grid current, at no load, CW unit	A
Peak cathode current CW	28
Peak cathode current CW unit	A

Anode Dissipation

Anode dissipation (Tin = 25°C)	12
Anode dissipation (Tin = 25°C) unit	kW
Anode dissipation (Tin = 45°C)	10
Anode dissipation (Tin = 45°C) unit	kW
Max Anode Dissipation	12
Max Anode Dissipation unit	kW

Grid Dissipation

Grid dissipation up to 30 MHz	350
Grid dissipation up to 30 MHz unit	W
Grid dissipation from 30 to 60 MHz	320
Grid dissipation from 30 to 60 MHz unit	W

Power Output

Max Output Power	33
Max Output Power unit	kW

Frequency

Max Frequency	120
Max Frequency unit	MHz

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