

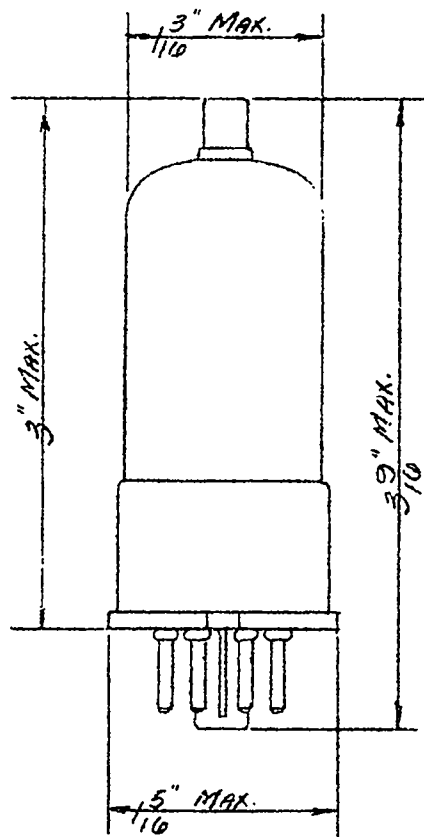
TECHNICAL DATA

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 RMA Release # 161

ARCTURUS

TYPE 12B8GT MIDGET

TRIODE - PENTODE



Heater Voltage	12.6	Volts
Heater Current	0.3	Ampere

PENTODE SECTION

Plate Voltage	90	Volts
Screen Grid Voltage	90	Volts
Control Grid Voltage	-3	Volts
Plate Current	7.0	m.a.
Screen Grid Current	2.0	m.a.
Plate Resistance	200,000	ohms
Transconductance	1800	micromhos
Amplification Factor	360	
Control Grid Voltage for Transconductance = 2 umhos	-42.5	Volts

TRIODE SECTION

Plate Voltage	90	Volts
Grid Voltage	0	
Plate Current	2.8	m.a.
Plate Resistance	37,000	ohms
Transconductance	2400	micromhos
Amplification Factor	90	
Approx. Grid Voltage for Plate Current cut-off	-2.5	Volts

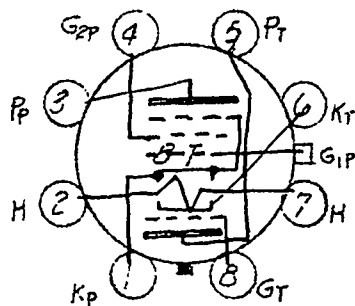
DIRECT INTERELECTRODE CAPACITANCES

Pentode G ₁ to plate	.015	uuf
Pentode Input	5.2	uuf
Pentode Output	9.6	uuf
Triode Grid to plate	2.3	uuf
Triode Grid to cathode	5.0	uuf
Triode Plate to cathode	6.3	uuf
Pentode G ₁ to triode grid	.002	uuf
Pentode Plate to triode grid	.078	uuf
Pentode G ₁ to triode plate	.003	uuf

APPLICATION

Type 12B8GT has been designed primarily for small AC-DC receivers wherein very limited space is available. The pentode section may be used as a conventional RF or IF amplifier and the triode section as a biased or grid-leak detector.

PIN ARRANGEMENT



BOTTOM VIEW