GENERAL DESCRIPTION

APPLICATION:

Hytron "Bantam" type 3C5GT is a filament type power amplifier pentode designed for service in the output stage of receivers of the portable type. The tube is designed with the full filament connected between pins #2 and #7. A tap is provided and brought out to pin #8.

The Hytron "Bantam" 3C5GT is identical in many respects with type 1C5GT with the exception, the two strand filament is series connected to facilitate the use of a 50 ma. series filament string.

The Hytron "Bantam" 3C5GT is a glass tube equipped with a small octal base and metal shell ring.

PHYSICAL CHARACTERISTICS: BULB T-9D Basing ~~6H~~ 7AQ see note

RATINGS AND CHARACTERISTICS

	Series Connection	Parallel Connection
Filament	2.8	1.4 volts
Filament Current	0.050	0.10 amp.

Note: Filaments in series between pins #2 and #7.
Filaments in parallel between pin #2 and pin #8, with pins #2 and #7 tied together. When filaments are used in series connection, approximately 1.4 volts less bias is required as the increased filament voltage adds to the effective control grid bias.

SERIES FILAMENT OPERATION

Plate Voltage	90	90	90	volts
Screen Voltage	90	90	90	volts
Grid Bias	-7.5	-8.0#	-9.0	volts
Plate Current	8.5	7.5	6.0	ma.
Screen Current	1.8	1.6	1.4	ma.
Load Resistance	6000	8000	10000	ohms
Power Output	240	260	260	m.w.
Mutual Conductance	1600	1550	1450	umhos

PARALLEL FILAMENT OPERATION

Plate Voltage	83	90	volts
Screen Voltage	83	90	volts
Grid Bias	-7	-9#	volts
Mutual Conductance	1500	1550	umhos
Plate Current	7	6	ma.
Screen Current	1.6	1.4	ma.
Load Resistance	9000	8000	ohms
Power Output	200	240	mw.

Recommended operation.