JPT9-01

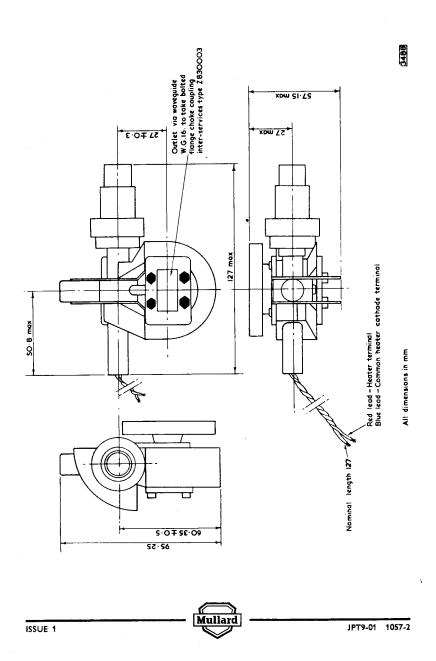
Tunable magnetron incorporating a permanent magnet system, for c.w. operation in the X-band and suitable for amplitude modulation.

PRELIMINARY DATA

This data should be read in conjunction with GENERAL OPERATIONAL RECOMMENDATIONS—MICROWAVE DEVICES included in this volume of the handbook.

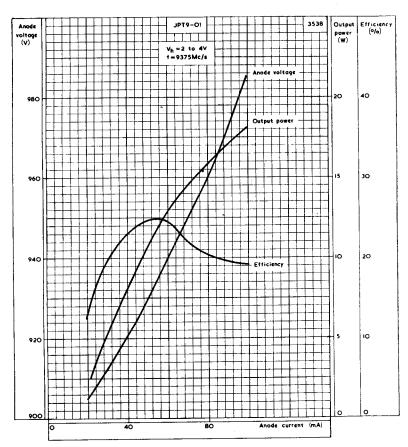
FREQUENCY RANGE Mechanical tuning is effect	ted by a single	9150 to	9600	Mc/s
CATHODE Indirectly heated Vh Ih The heater voltage must h.t. power, the operating stable operation. This remaximum life individual Heating time. The heat before the application of	voltage being eduction will v adjustment is r ter voltage shal	as low as poss ary from valvecommended.	re to valve	and for
COOLING Maximum temperature o In order to keep within t at a rate of at least 5 cu.	his maximum te	emperature lir required.	140 nit forced air	°C r cooling
LIMITING VALUES (absolution Maximum anode current Minimum anode current Maximum peak anode current Maximum mean anode in	(unmodulated rrent (modulated		60 20 100 60	mA mA MA
CHARACTERISTICS Anode voltage range (la Frequency pulling (for v. Frequency pushing Minimum power output	s.w.r. == 1.5)			V Mc/s s per mA .0 W
TYPICAL OPERATION Frequency Anode current Anode voltage Output power	9200 50 920 10.5	9400 50 930 10.6	9550 50 930 9.7	Mc/s mA V W
OPERATING NOTE Under certain operating may occur causing excersistance of the supply	ssive current a	and to avoid	this the to	acteristic tal series
WEIGHT			c 4 5	11-
Valve only			\begin{cases} 1.5 \ 710 \ 2.5 \ 1.16	lb ,g
Shipping weight			$\begin{cases} 2.5 \\ 1.16 \end{cases}$	lb kg
Dimensions of packing		127×1	78×190	, ww
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Tunable magnetron incorporating a permanent magnet system, for c.w. operation in the X-band and suitable for amplitude modulation.



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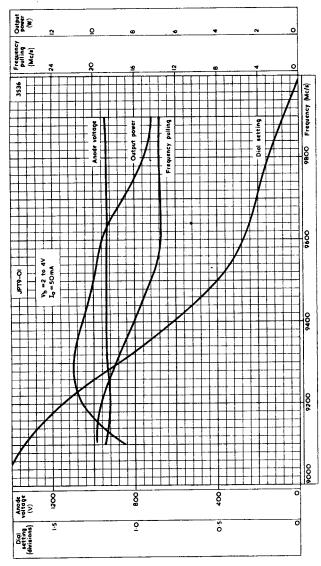
Tunable magnetron incorporating a permanent magnet system, for c.w. operation in the X-band and suitable for amplitude modulation.



ANODE VOLTAGE, OUTPUT POWER AND EFFICIENCY PLOTTED AGAINST ANODE CURRENT

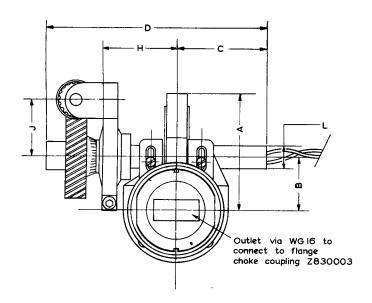


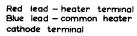
Tunable magnetron incorporating a permanent magnet system, for c.w. operation in the X-band and suitable for amplitude modulation.

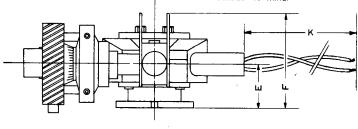


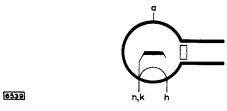
ANODE VOLTAGE, OUTPUT POWER. DIAL SETTING AND FREQUENCY PULLING PLOTTED AGAINST FREQUENCY





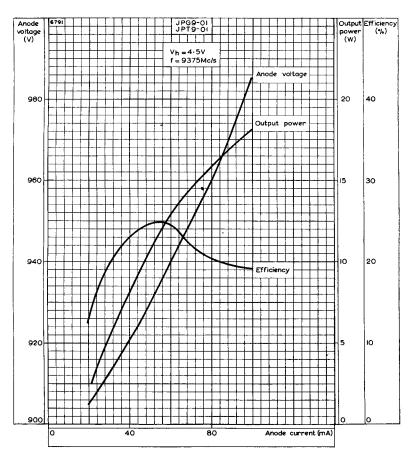






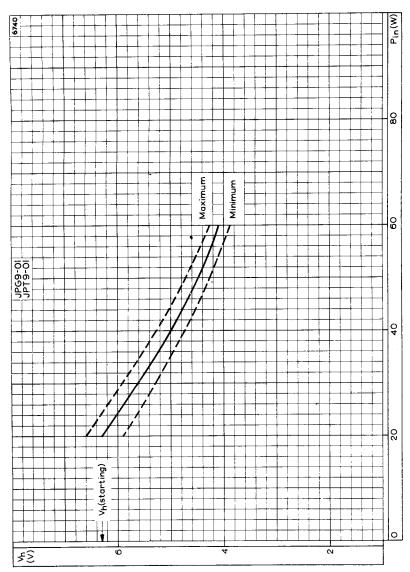
ANODE CONNECTION TERMINATED AT THE BASE PLATE

Mullard



ANODE VOLTAGE, OUTPUT POWER AND EFFICIENCY PLOTTED AGAINST ANODE CURRENT





HEATER VOLTAGE PLOTTED AGAINST MEAN INPUT POWER

