

WD-11 WX-12

RAYTHEON

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TRIODE DETECTOR OR AMPLIFIER Filament Type Glass Bulb

The WD-11 and WD-12 are triode type amplifier tubes designed for service in battery operated receivers. Their ratings and electrical characteristics are identical.

RATINGS

Filament Voltage	1.1 d-c	volts
Filament Current	0.25	amp
Maximum Plate Voltage	135	volts

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate	3.3	μf
Input	2.5	μf
Output	2.5	μf

AMPLIFIER - CLASS A

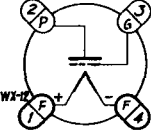
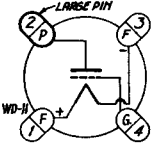
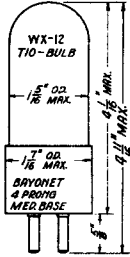
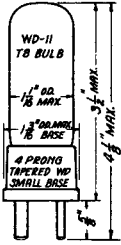
Plate Voltage	90	135	volts
Grid Bias	-4.5	-10.5	volts
Amplification Factor	6.6	6.6	
Plate Resistance	15500	15000	ohms
Transconductance	425	440	μmhos
Plate Current	2.5	3	ma

DETECTOR - BIASED TYPE

Plate Voltage	90	135	volts
Grid Bias (approximate)	-10.5	-18	volts
Plate Current	Adjusted to 0.2 ma. with no signal		

DETECTOR - GRID LEAK TYPE

Plate Voltage	45	volts
Grid	Return to positive filament	
Grid Leak Resistance	0.25 to 5	megohms
Grid Condenser	0.00025	μf



BOTTOM VIEWS OF SOCKETS