

September 15, 1955

Gas Switching Window Tube WL-6260

The WL-6260 is a fixed-tuned gas switching window designed for use in high power pulsed systems operating at frequencies in the 1300 megacycle region. Used in pairs, spaced approximately a quarter-wave apart, it constitutes a broad-band pre-TR device.

GENERAL DATA

Electrical:

Peak Power	3 max.	Mw
Average Power	4	Kw
Pulse Duration	5 max.	μsec
Duty Cycle	.0015	
Ambient Temperature	+100 to -55	°C
Transmitter Peak Power Output (Min.)*	10	Kw

Mechanical:

Mounting Position	Any
Outline Dimensions	See Page 2
Mounting Flange	
Female	UG-417/U or UG-368/U
Male	UG-369/U
Wave Guide	RG-69/U

*4 μsecond pulse. Minimum power for tube breakdown.

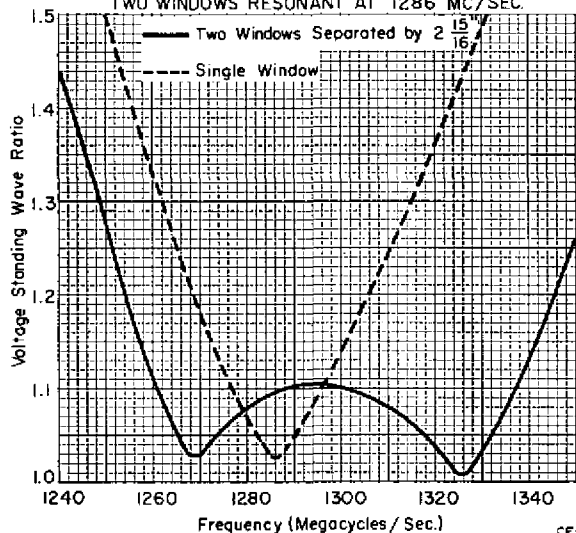
Electrical Data, Single Window:

	Max.	Typical	Min.
Resonant Frequency	1290	—	1280 Mcs
Low Level Input V.S.W.R.	See Graph		
Loaded Q	3.5	—	—
Insertion Loss at Resonance	0.25	—	— db
Leakage Power, Average			
Over Pulse at 2 Mw,			
4 μsec, 150 pps	17	13	— Kw
Recovery Time at 2 Mw,			
3 db down	—	20	— μsec
Arc Loss at 2 Mw	0.08	—	— db

Electrical Data, Two Windows, Separation
2-15/16" between Centerlines:

	Max.	Typical	Min.
Operational Band	1350	—	1250 Mcs
Low Level Input V.S.W.R.			
Over Operational Band	1.4	See Graph	
Insertion Loss	0.5	—	— db
Leakage Power, Average			
Over Pulse at 2 Mw,			
4 μsec	0.7	—	— Kw
Recovery Time at 2 Mw,			
3 db down	—	20	— μsec
Arc Loss at 2 Mw	0.08	—	— db

VOLTAGE STANDING WAVE RATIO VS. FREQUENCY FOR
A SINGLE WINDOW AND FOR A COMBINATION OF
TWO WINDOWS RESONANT AT 1286 MC/SEC.



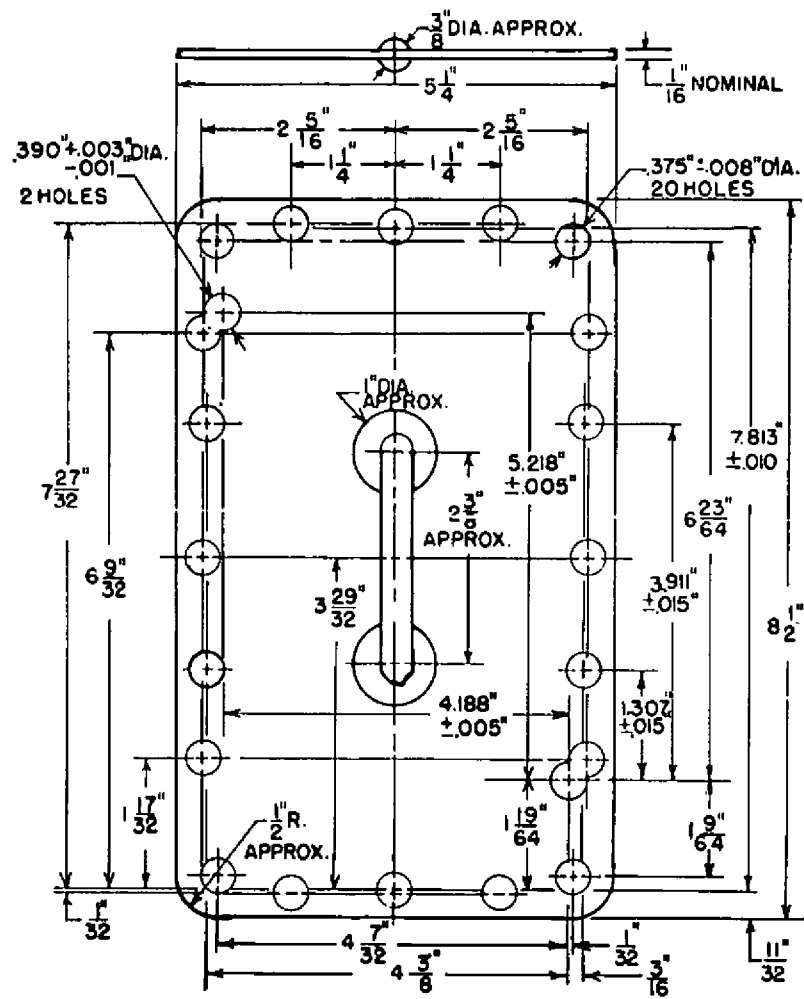
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Special Devices Section

WESTINGHOUSE ELECTRIC CORPORATION, ELECTRONIC TUBE DIVISION, ELMIRA, N. Y.

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