

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

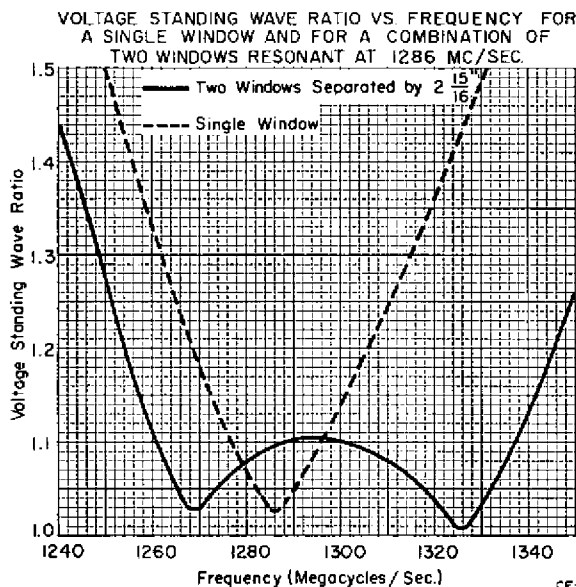
\*4 μsecond pulse. Minimum power for tube breakdown.

#### 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

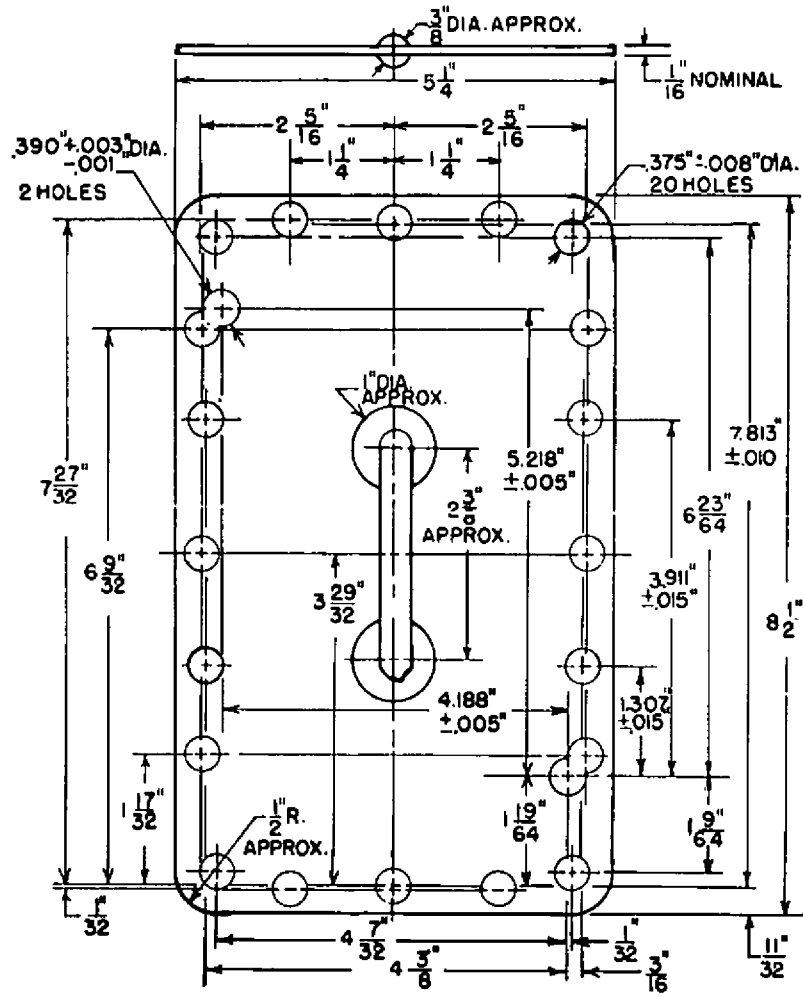


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Special Devices Section

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