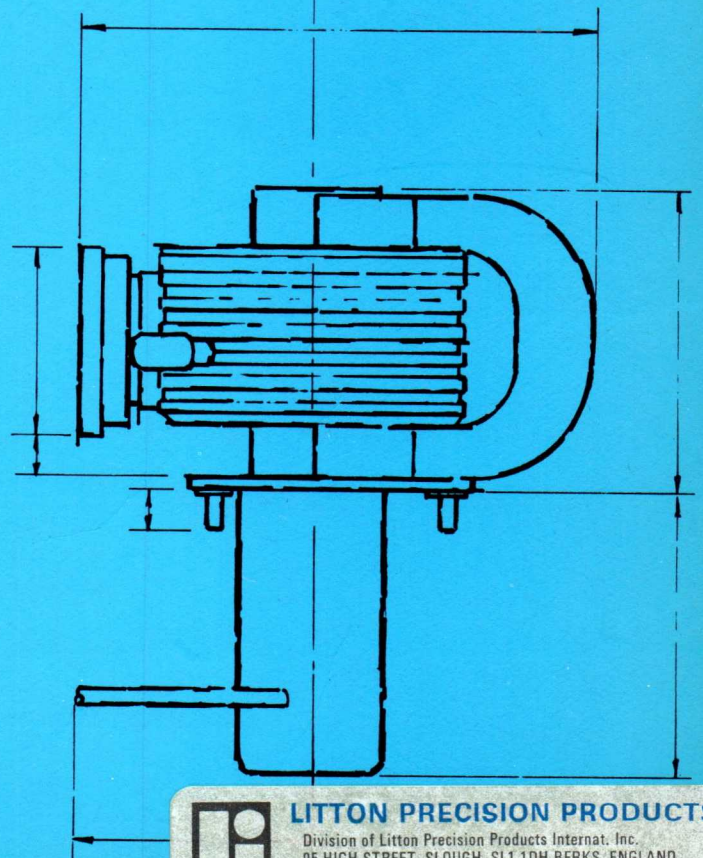
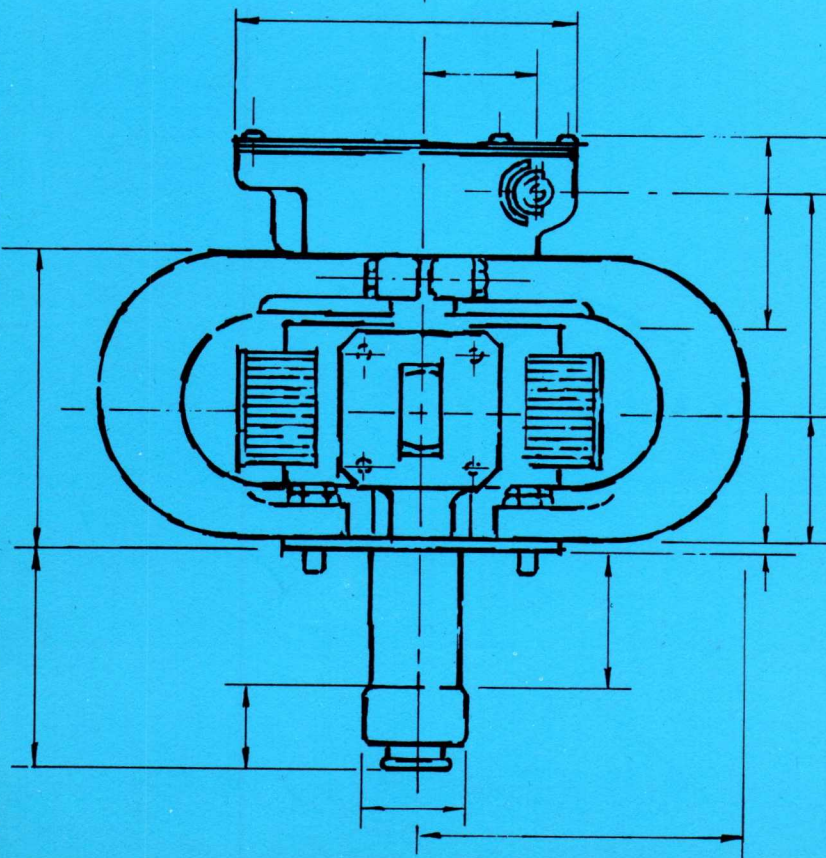
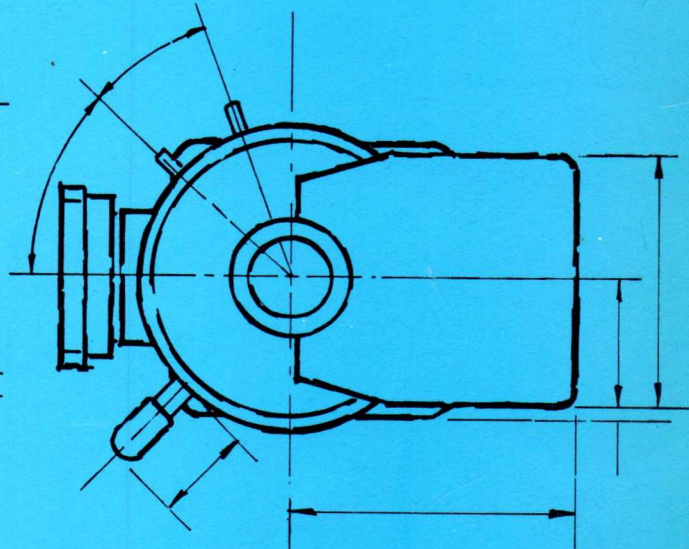
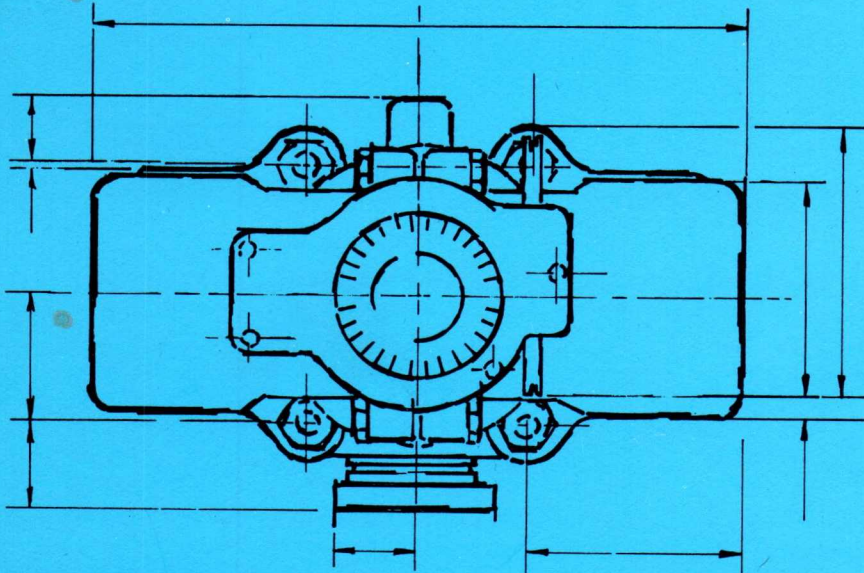
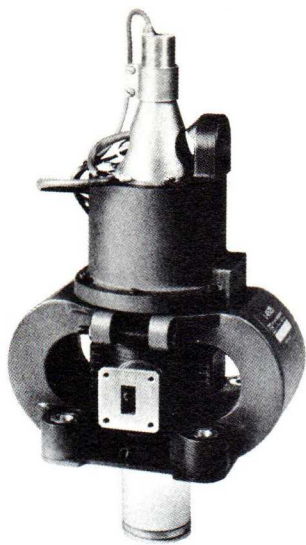


# Litton Magnetron Product Summary

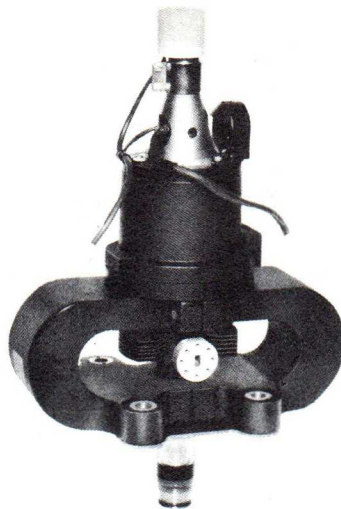


**LITTON PRECISION PRODUCTS**

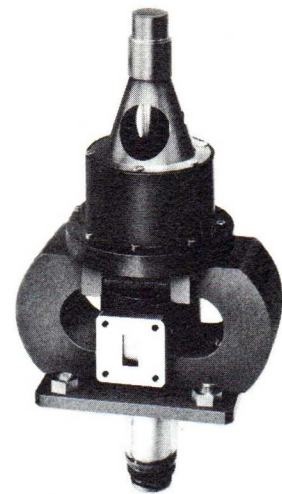
Division of Litton Precision Products Internat. Inc.  
95 HIGH STREET, SLOUGH, SL1 1DH BERKS, ENGLAND  
Telephone: Slough 28267; Cable Address: Littoncomp Slough  
Telex No: 847548. VAT Registration No. 208 2607 82



L-4525 11.4" High



L-4558 11¼" High



L-4527 10½" High

## Rapid Tuned Pulse Magnetrons

### J-BAND COAXIAL — ELECTROMAGNETICALLY TUNED

Tube Type	Min. Peak Power (kw)	Frequency (MHz)	Tuning	Nominal Operating Characteristics				Max. Duty	Max. Wt. (lbs.)	Applications/Comments
				Ef Volts	If Amps	eb kilovolts	ib amps			
L-4525	90	16,000-16,500	Electromagnetic	12.6	2.5	15-17	18.0	.001	12.5	Tunable over 500 MHz of J-band at rates up to 100 Hz. The electromagnetic tuner and velocity feedback transducers (LVDT and LVT) provide high-speed random tuning capability with outstanding output frequency monitoring accuracy under all environmental conditions.
L-4527	65	16,200-16,800	Electromagnetic	12.6	2.4	13-15	14.0	.0015	7.0	

### K-BAND COAXIAL — ELECTROMAGNETICALLY TUNED

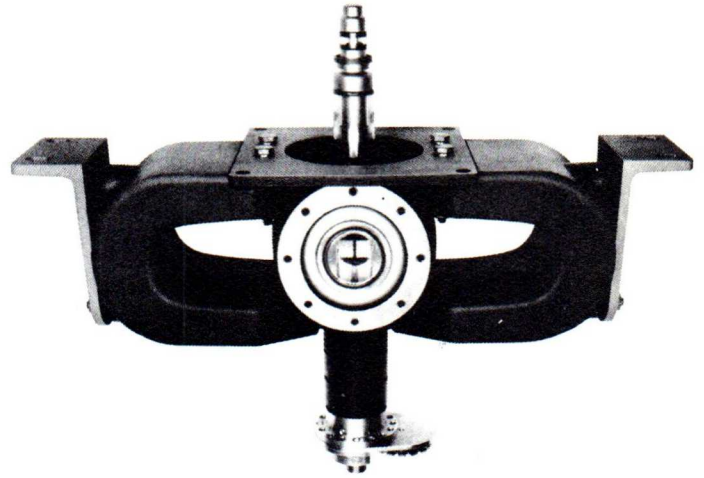
Tube Type	Min. Peak Power (kw)	Frequency (MHz)	Tuning	Nominal Operating Characteristics				Max. Duty	Max. Wt. (lbs.)	Applications/Comments
				Ef Volts	If Amps	eb kilovolts	ib amps			
L-4558	65.0	32,100-33,100	Electromagnetic	6.3	3.5	16.0	16.0	.001	15.0	Tunable over 1000 MHz of K-band at rates up to 400 Hz. Designed for wideband, high speed frequency diversity radar systems. The electromagnetic tuner and velocity feedback transducers (LVDT and LVT) provide high-speed random tuning capability with outstanding output frequency monitoring accuracy under all environmental conditions.



L-5224 7 $\frac{1}{16}$ " High



L-4649 4.975" High



L-5080 12 $\frac{5}{8}$ " High

# Gyro-Tuned™ Pulse Magnetrons

## I-BAND COAXIAL – TUNABLE

Tube Type	Min. Peak Power (kw)	Frequency (MHz)	F/A Rate (Hz)	F/A Range (MHz)	Nominal Operating Characteristics				Max. Duty	Max. Wt. (lbs.)	Applications/Comments
					Ef Volts	If Amps	eb kilovolts	ib amps			
L-5224	75.0	9100-9500	75	60-85	12.6	2.0	15.0	15.0	.0011	12.5	These lightweight, reliable, metal-ceramic coaxial magnetrons feature gyro-tuning to provide frequency agility for airborne search, navigation, terrain following and missile seeker radar applications.
L-5224A	85.0	9000-9500	75	60-95	12.6	2.0	15.0	15.0	.0011	12.5	

## I-BAND COAXIAL – FIXED FREQUENCY

Tube Type	Min. Peak Power (kw)	Frequency (MHz)	F/A Rate (Hz)	F/A Range (MHz)	Nominal Operating Characteristics				Max. Duty	Max. Wt. (lbs.)
					Ef Volts	If Amps	eb kilovolts	ib amps		
L-4648	100.0	9375±15	75	70	12.6	2.5	15.5	16.0	.0012	10.5

Gyro-tuning employs a ring gear which drives a set of rotating dielectric paddles within the magnetron coaxial cavity. A high speed, synchronous motor drives the entire mechanism, which is external to the tube vacuum envelope. The complete tuner assembly is compact and adds only 1/2 pound to the basic magnetron weight.

## J-BAND COAXIAL – FIXED FREQUENCY

Tube Type	Min. Peak Power (kw)	Frequency (MHz)	F/A Rate (Hz)	F/A Range (MHz)	Nominal Operating Characteristics				Max. Duty	Max. Wt. (lbs.)
					Ef Volts	If Amps	eb kilovolts	ib amps		

# Pulse Magnetrons

## G-BAND

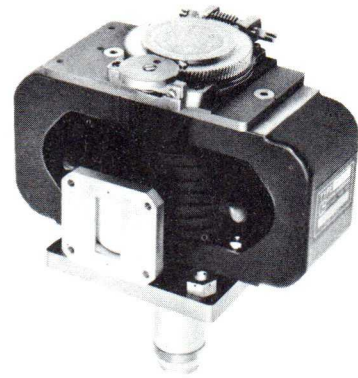
Tube Type	Min. Peak Power (kw)	Frequency (MHz)	Tuning	Nominal Operating Characteristics				Max. Duty	Max. Wt. (lbs.)	Applications/Comments
				Ef Volts	If Amps	eb kilovolts	ib amps			
L-3897	175	4950-5450	Mechanical	13.5	2.5	21.5	22.0	.001	25	Operational and field life is in excess of 1000 rf hours. Applications include shipboard and airborne search and weather radar as well as surveillance systems.
6344A	175	5450-5825	Mechanical	13.5	2.5	21.5	22.0	.001	25	
7156A	250	5450-5825	Mechanical	5.0	5.0	25.0	24.0	.001	35	
7460	250	5450-5825	Mechanical	5.0	5.0	25.0	25.0	.0012	35	
L-5080	250	5450-5825	Mechanical	5.0	5.0	25.0	25.0	.0012	35	



L-5047 6½" High



L-3990 4¾" High



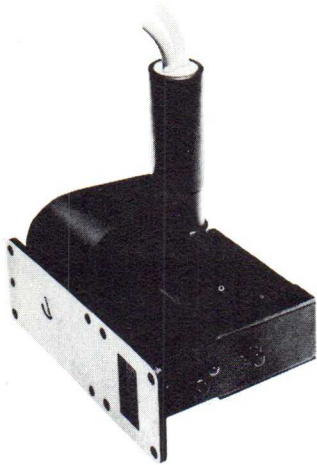
L-5273 6¾" High

# Pulse Magnetrons

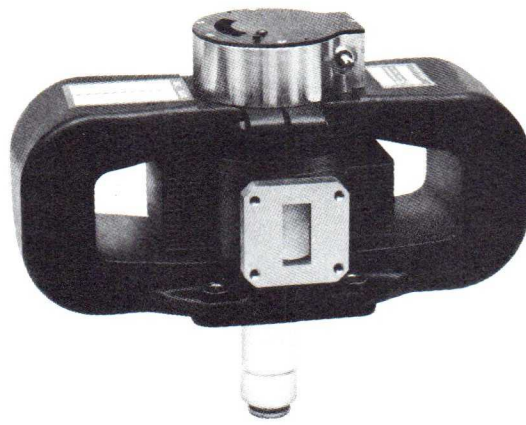
## I-BAND COAXIAL

Tube Type	Min. Peak Power (kw)	Frequency (MHz)	Tuning	Nominal Operating Characteristics				Max. Duty	Max. Wt. (lbs.)	Applications/Comments
				Ef Volts	If Amps	eb kilovolts	ib amps			
L-4553	65	9375±30	Fixed	12.6	2.2	15.0	15.0	.001	6.0	Direct replacement for type 4J52A.
L-4571/ 8947	65	8500-9600	Mechanical	12.6	2.2	15.0	15.0	.001	7.0	Direct replacement for type 6543.
L-4469/ 8855	200	8500-9600	Mechanical	13.75	3.1	21.5	27.5	.0011	13.0	Direct replacement for type 7111.
L-4575	200	8500-9600	Mechanical	13.75	3.1	21.5	27.5	.0011	13.5	Direct replacement for type 7008.
L-4583A	200	9200-9550	Mechanical	13.75	3.1	21.5	27.5	.0011	13.5	Direct replacement for type M-4193B.
L-4590/ 8945	200	8700-9400	Mechanical	13.75	3.1	21.5	27.5	.0013	13.0	Direct replacement for type L-4502.
L-3990	24	9375±30	Fixed	6.3	1.2	8.0	8.25	.0022	4.5	Coaxial design extends operating life for commercial weather radar applications; provides 50% efficiency, low cathode loading, excellent spectrum, and operation up to 6 microseconds.
L-5196	24	9375±30	Fixed	6.3	1.2	8.0	8.25	.0015	4.5	
L-5211	24	9375±30	Fixed	6.3	1.2	8.0	8.25	.0015	4.5	
L-5365	28	9345±30	Fixed	12.6	1.15	8.5	8.5	.0015	4.5	
L-5047	65	9375±30	Fixed	14.0	1.4	13.0	12.0	.001	7.5	
L-5536*	65	9375±5	Fixed	14.0	1.4	13.0	12.0	.001	7.5	
L-5191	65	9345±30	Fixed	14.0	1.4	13.0	12.0	.001	7.5	
L-5543	45	9375±20	Fixed	14.0	1.5	13.0	8.0	.0012	7.5	Recommended for new radar systems.
L-5448A	50	9485±15	Fixed	6.3	2.9	15.0	13.0	.001	10.0	
L-5448B	50	9495±15	Fixed	6.3	2.9	15.0	13.0	.001	10.0	
L-5448C	50	9425±15	Fixed	6.3	2.9	15.0	13.0	.001	10.0	
L-5448D	50	9435±15	Fixed	6.3	2.9	15.0	13.0	.001	10.0	
L-5273	95	8500-9600	Mechanical	12.6	3.1	16.0	15.0	.0011	10.0	
L-5462	95	8500-9600	Mechanical	12.6	3.1	16.0	15.0	.0011	10.0	
L-4593	350	8500-9600	Mechanical	13.75	3.2	28.0	30.0	.0011	18.0	

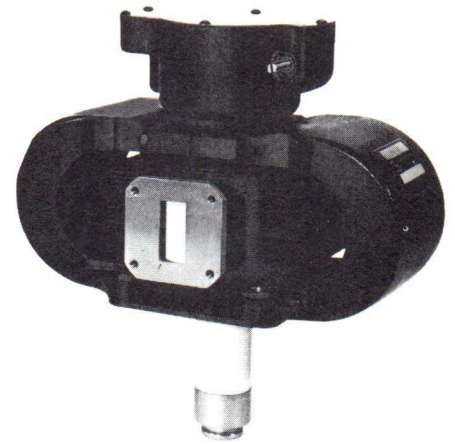
\*Temperature Compensated



L-442H 5 1/4" High



L-4593 7.8" High



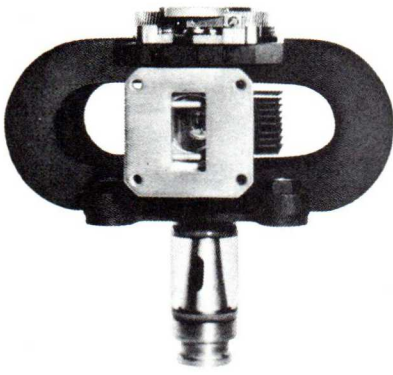
L-4575 8 1/8" High

# Pulse Magnetrons

## I-BAND

Tube Type	Min. Peak Power (kw)	Frequency (MHz)	Tuning	Nominal Operating Characteristics				Max. Duty	Max. Wt. (lbs.)	Applications/Comments
				Ef Volts	If Amps	eb kilovolts	ib amps			
L-4497	4	9375 ± 30	Fixed	6.3	0.6	5.2	3.0	.001	2 1/4	
2J42	7	9375 ± 30	Fixed	6.3	0.5	5.5	4.5	.0025	3	Weather radar systems, airborne search radar systems and in military and commercial marine radar systems.
2J42H	7	9375 ± 30	Fixed	6.3	0.5	5.5	4.5	.002	3	
L-4644	7	9375 ± 30	Fixed	6.3	0.6	5.2	4.5	.001	3	
L-4601A	8	9375 ± 30	Fixed	6.3	0.6	5.5	4.5	.001	3.0	
L-3635	10	9375 ± 30	Fixed	6.3	1.2	6.0	6.0	.002	3 3/4	Available with warranted operation for 1000 hours. Application in commercial weather radar systems.
L-3431A	18	9375 ± 30	Fixed	6.3	1.2	7.0	7.0	.001	3 3/4	
L-3654A	24	9375 ± 30	Fixed	6.3	1.2	8.0	8.25	.001	3 3/4	
L-3890A	24	9375 ± 30	Fixed	6.3	1.2	8.0	8.25	.001	3 3/4	
L-3168	30	9375 ± 30	Fixed	12.6	2.3	12.5	10.0	.002	6	For airborne applications. Other fixed frequency versions of the 4J52A are available on request.
6510	65	9375 ± 30	Fixed	12.6	2.3	15.0	15.0	.001	6	
4J52A	70	9375 ± 30	Fixed	12.6	2.3	15.0	15.0	.001	6	
L-3219	70	9400 ± 30	Fixed	12.6	2.3	15.0	15.0	.001	6	
L-3156	112	9375 ± 30	Fixed	13.75	3.2	19-21	16	.002	10	Used in systems requiring multi-frequency operation; especially suitable for airborne fire control.
4J50A	225	9375 ± 30	Fixed	13.75	3.35	21.5	27.5	.001	10	
L-3030D	330	9375 ± 30	Fixed	13.75	3.37	26.29	27.5	.001	14	This high power version of 4J50 is designed for component testing and is not recommended for system applications.
L-4193C	90	8500-9600	Mechanical	13.75	3.2	21	13	.0025	11	Low power versions are for beacon applications; Medium power versions are for terrain avoidance and search radar systems; and high power versions are for ground and airborne multi-purpose radar installations.
7006	190	9000-9600	Mechanical	13.75	3.2	21.5	27.5	.0013	11	
L-4193A,H/ 7008	200	8500-9600	Mechanical	13.75	3.1	21.5	27.5	.0011	11	
M-4193B/ 7692	200	9200-9550	Mechanical	13.75	3.1	21.5	27.5	.0011	11	
7111	200	8500-9600	Mechanical	13.75	3.1	21.5	27.5	.0011	10	
L-4502*	200	8700-9400	Mechanical	13.75	3.1	21.5	23.5-27.5	.0013	12	
7950	208	8500-9600	Mechanical	20.0	4.0	33	24	.0013	16	
5780	250	8500-9600	Mechanical	20.0	4.0	33	32	.001	16	

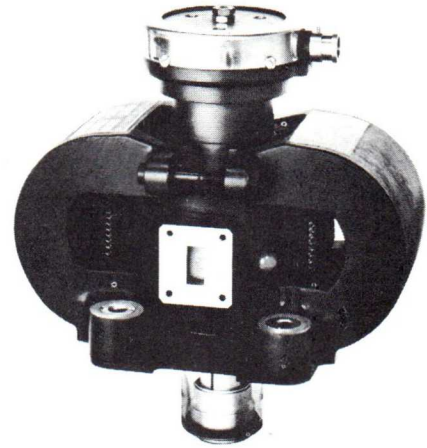
\*Temperature Compensated



6543 5 1/3" High



L-5049 6" High



7208B 7 7/8" High

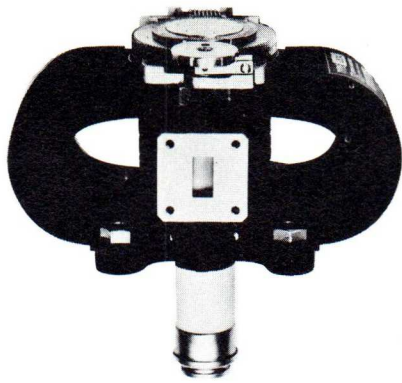
# Pulse Magnetrons

## I-BAND

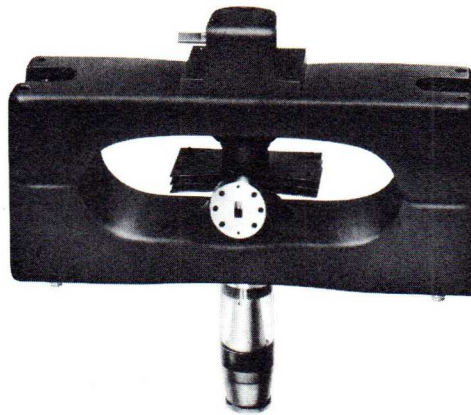
Tube Type	Min. Peak Power (kw)	Frequency (MHz)	Tuning	Nominal Operating Characteristics				Max. Duty	Max. Wt. (lbs.)	Applications/Comments
				Ef Volts	If Amps	eb kilovolts	ib amps			
L-3103	30.0	8500-9600	Mechanical	12.6	2.3	12.5	10.0	.002	6 1/8	Extensive life testing of the 6543, I-band magnetron has demonstrated a capability of more than 1000 hours of stable performance under rugged cycle operation. The L-3103 is recommended for systems requiring higher duty operation; the 6543A for MTI systems requiring low jitter performance.
L-4503A	65.0	9600-10,125	Mechanical	12.6	2.3	15.0	15.0	.001	6 1/8	
6543	65.0	8500-9600	Mechanical	12.6	2.3	15.0	15.0	.001	6 1/8	
6543A	65.0	8500-9600	Mechanical	12.6	2.3	15.0	15.0	.001	6 1/8	

## J-BAND COAXIAL

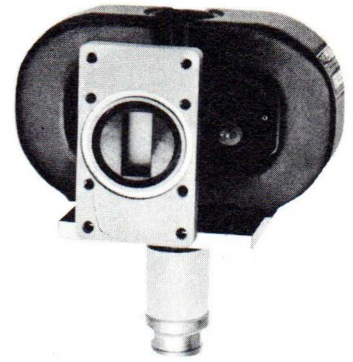
Tube Type	Min. Peak Power (kw)	Frequency (MHz)	Tuning	Nominal Operating Characteristics				Max. Duty	Max. Wt. (lbs.)	Applications/Comments
				Ef Volts	If Amps	eb kilovolts	ib amps			
L-3950	60	16,500 ± 100	Fixed	12.6	2.5	16	16	.001	6	Applications include weather, fire control, terrain following and navigation radar systems.
L-5434	70	15,920 ± 80	Fixed	4.8	11.0	24.0	12.0	.002	23.0	
L-3976	100	16,500 ± 150	Fixed	12.6	2.5	16	16	.001	6	
L-4419	65	16,500 <sup>+125</sup> <sub>-90</sub>	Fixed	12.6	2.6	15	16	.001	5	This magnetron features a special cathode design providing exceptional life and reliability for airborne systems.
L-4451	35	16,600-17,100	Tunable	12.6	1.7	12.5	9.5	.001	5	This tube is "screwdriver tunable" permitting presetting of frequency for airborne systems.
L-5049	50	16,145-16,805	Mechanical	12.6	1.9	12.5	11.0	.001	3 1/2	For weather and surveillance radar, airborne, missile and pulse doppler systems, where light weight is required.
L-5079	30	16,000-17,000	Mechanical	12.6	1.8	12.5	11	.003	3 1/4	These medium and high power magnetrons are designed for use in sophisticated new systems. Characteristics include reduced mode competition, very low pushing and missing pulses, and increased reliability.
L-3987	60	16,000-17,000	Mechanical	12.6	2.5	16	16	.001	6	
L-5042	80	16,000-16,500	Mechanical	12.6	2.5	16	16	.001	5	
L-5115	100	16,400-16,600	Mechanical	12.6	2.5	18	18	.0008	7	
7208	100	15,800-17,200	Servo-tunable	12.6	3.5	18	17	.001	14	
7208B	125	15,500-17,500	Servo-tunable	12.6	2.5	18	19	.001	14	



L-5115 5½" High



L-4516 6<sup>15</sup>/<sub>16</sub>" High



L-5365 5½" High

## Pulse Magnetrons

### J-BAND

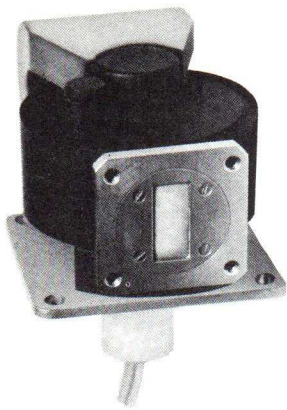
Tube Type	Min. Peak Power (kw)	Frequency (MHz)	Tuning	Nominal Operating Characteristics				Max. Duty	Max. Wt. (lbs.)	Applications/Comments
				Ef Volts	If Amps	eb kilovolts	ib amps			
L-3083A	60	16,000-17,000	Mechanical	12.6	2.4	17.0	16.0	.001	6 <sup>1</sup> / <sub>8</sub>	Featuring long life and reliable performance, these magnetrons are rated for 1.0 microsecond pulse operation.
L-3101A	60	16,000-17,000	Mechanical	12.6	2.4	17.0	16.0	.001	5 <sup>3</sup> / <sub>4</sub>	
L-3978	70	16,000-16,500	Mechanical	12.6	2.4	17.0	16.0	.001	5 <sup>3</sup> / <sub>4</sub>	

### K-BAND COAXIAL

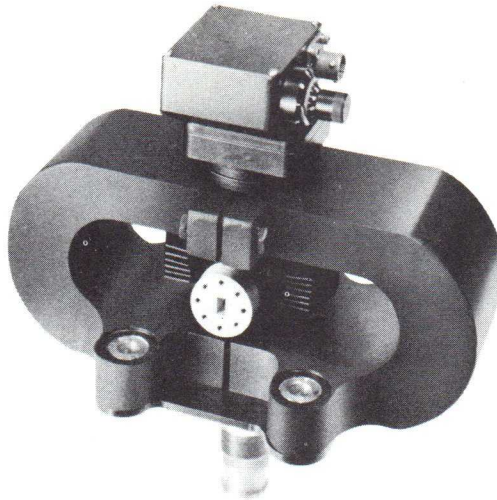
Tube Type	Min. Peak Power (kw)	Frequency (MHz)	Tuning	Nominal Operating Characteristics				Max. Duty	Max. Wt. (lbs.)	Applications/Comments
				Ef Volts	If Amps	eb kilovolts	ib amps			
L-4555	65.0	32,100-33,100	Mechanical	6.3	3.5	16.0	16.0	.001	10.0	For use in precision, forward looking, airborne radar systems. Provides greatly improved frequency stability.

### K-BAND

Tube Type	Min. Peak Power (kw)	Frequency (MHz)	Tuning	Nominal Operating Characteristics				Max. Duty	Max. Wt. (lbs.)	Applications/Comments
				Ef Volts	If Amps	eb kilovolts	ib amps			
L-4154/ 7449A	65	24,000±100	Fixed	5.0	3.1	14	25	.001	7.3	Specially designed cathode to meet highly exacting shock and vibration conditions. Ideally suited for surveillance and missile applications.
7619	40	34,860±348	Fixed	12.6	2.8	11.5	20	.001	9	Used in automatic landing systems, reconnaissance and mapping radar systems, side looking radar systems and portable, field type radar systems.
L-4296/ 8366	50	33,200±200	Fixed	12.6	2.8	12	25	.001	10 <sup>1</sup> / <sub>2</sub>	
L-4064A	125	34,850±150	Fixed	6.3	3.5	19	27	.001	9	
L-4494	20	34,500-35,210	Fixed	11.0	2.6	12	10	.0011	7	Excellent operating frequency stability and mode stability under severe environmental conditions assure reliable performance in airborne reconnaissance and mapping radar systems.
L-4564	50	32,850-33,150	Mechanical	6.3	3.5	18	13	.001	9 <sup>1</sup> / <sub>2</sub>	
L-4516	100	34,700-34,930	Mechanical	6.3	3.5	17-21	27	.001	9 <sup>1</sup> / <sub>2</sub>	
L-4540	100	34,700-34,930	Mechanical	6.3	3.5	17-21	27	.001	9 <sup>1</sup> / <sub>2</sub>	



L-4642 3.54" High



L-4555 7 3/4" High



L-3225A 2 5/8" High

# Miniature Pulse Magnetrons

## I-BAND COAXIAL

Tube Type	Min. Peak Power (kw)	Frequency (MHz)	Tuning	Nominal Operating Characteristics				Max. Duty	Max. Wt. (lbs.)	Applications/Comments
				Ef Volts	If Amps	eb kilovolts	ib amps			
L-5274	7.5	9345 ± 20	Fixed	6.3	1.65	4.3	4.5	.0013	2.5	Specifically designed for new generation lightweight, airborne weather radar systems.
L-4642	9	9375 ± 5	Fixed	6.3	1.6	5.0	3.0	.0005	3.0	
L-5362	10	9345 ± 20	Fixed	6.3	1.6	5.0	5.0	.0005	2.5	
L-5359	7.0	9375 ± 5	Fixed	6.3	1.6	4.4	4.5	.0013	3.0	Specially suited for applications requiring low frequency drift. This tube features narrow range frequency adjustment in addition to a temperature coefficient of 60 KHz/°C.

## I-BAND

Tube Type	Min. Peak Power (kw)	Frequency (MHz)	Tuning	Nominal Operating Characteristics				Max. Duty	Max. Wt. (lbs.)	Applications/Comments
				Ef Volts	If Amps	eb kilovolts	ib amps			
L-3028D	0.12	9280-9330	Mechanical	6.3	0.50	.80	0.55	.027	1.0	Designed for beacon and transponder applications these tubes provide stable operation with coded pulse groups.
L-5104	0.12	9290-9310	Mechanical	6.3	0.50	.80	0.55	.027	1.0	
L-3601	0.12	9315-9340	Mechanical	6.3	0.50	.80	0.55	.027	1.0	
L-3798	0.30	8520-8550	Mechanical	6.3	0.50	.55	0.30	.001	1.0	
L-3225A	1.0	9310-9350	Mechanical	6.3	0.50	2.8	1.33	.003	1.0	
L-5145	1.0	9275-9295	Mechanical	6.3	0.50	2.8	1.33	.003	1.0	
L-3381	3.0	8800-9500	Mechanical	6.3	0.90	3.60	3.25	.001	1.4	For beacons, transponders, and small radar systems. Features quick warm-up, extremely short pulse operation and stable frequency operation.





L-5274 3½" High



L-3496B 3.44" High



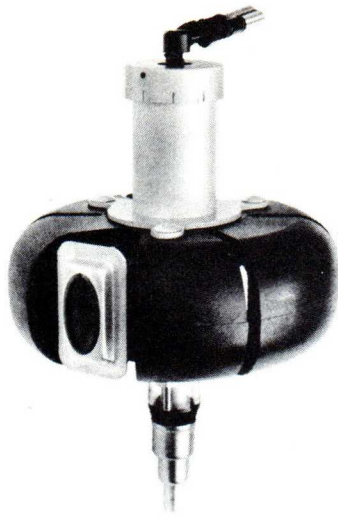
L-5328 4¾" High

## Miniature Pulse Magnetrons

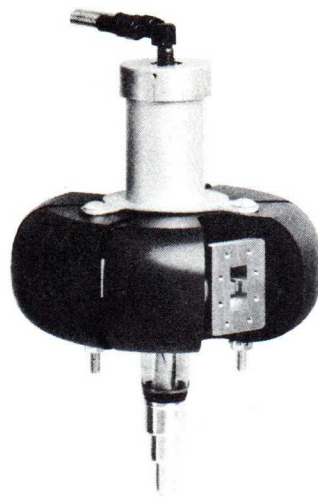
### J-BAND COAXIAL

Tube Type	Min. Peak Power (kw)	Frequency (MHz)	Tuning	Nominal Operating Characteristics				Max. Duty	Max. Wt. (lbs.)	Applications/Comments
				Ef Volts	If Amps	eb kilovolts	ib amps			
L-5409**	2.5	15,400-15,700	Mechanical	6.3	1.5	3.6	3.0	.005	4.0	For microwave landing systems.
L-5410**	2.5	15,460±2	Fixed	6.3	.55	3.55	3.0	.001	20 oz.	Applications include weather, fire control, terrain following and navigation radar systems.
L-3958	9.0	15,500±85	Fixed	6.3	1.6	5.0	5.0	.003	2.5	
L-3958A*	9.0	15,500±85	Fixed	6.3	1.6	5.0	5.0	.003	2.5	
*Same performance as L-3958, but includes cathode connector flying leads for high altitude use.										
L-5383	0.2	16,200-16,300	Mechanical	4.75	0.6	1.9	.75	.0021	2.0	Applications include surveillance radar, airborne and missile systems, and pulse doppler systems.
L-5383A*	0.2	16,200-16,300	Mechanical	4.75	0.6	1.9	.75	.0021	2.0	
L-5271	0.8	16,200-16,300	Mechanical	4.75	0.6	2.8	.75	.0005	2.0	
L-3496B**	1.0	16,000-16,500	Mechanical	4.7	0.70	3.0	1.60	.003	1.2	
L-5013	4.0	15,500-16,500	Mechanical	6.3	1.6	4.50	3.5	.001	3	
L-5035	8.0	15,900-16,400	Mechanical	6.3	1.6	5.00	6.0	.003	3	
L-5329	8.0	16,000-16,200	Mechanical	6.3	1.6	4.75	6.0	.004	3.25	
* Same electrical performance as L-5383, but capable of withstanding 200G shock										
L-5328**	2.5	15,400-15,700	Mechanical	6.3	2.0	3.6	3.0	.005	3.0	Capable of wide duty cycle range without heater programming. Has low temperature coefficient.

\*\*Temperature Compensated



L-3461 11½" High



L-3463 10½" High



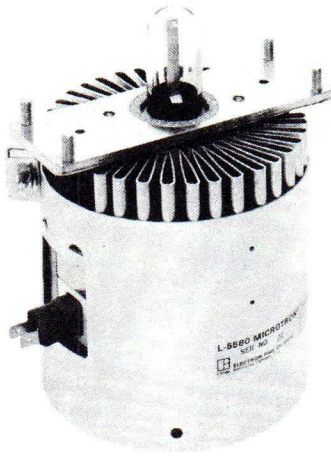
SOCKET

## CW/Pulse Magnetrons and Accessories

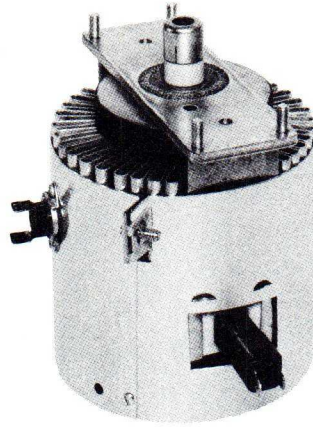
### CW/PULSE MAGNETRONS

Tube Type	Tunable Frequency (MHz)	Min. CW Power (W)	Nominal CW Characteristics		Min. Pulse Characteristics			Cooling	Max. Height (in.)	Max. Weight (lbs.)	Applications/Comments
			Eb (kv)	Ib (ma)	Power (kw)	eb (kv)	ib (a)				
L-3456	350-590	200	4.0	200	—	—	—	Liquid	10½	18	Two families of Litton Industries' CW/Pulse Magnetrons, intended for CW, modulated CW, or high duty pulse operation, provide power from 175 to 500 watts average and 1.2 to 1.8 kilowatts peak within the frequency range of 350 to 10,475 MHz. All tubes are equipped with tuning knobs. Filaments require 93 watts; standby filament voltage is rated nominally at 5.5 volts. Each tube within a series is interchangeable with the exception of the rf output fitting. Tubes with an "A" suffix provide CW and pulse characteristics; those without a suffix provide CW operation, only.
L-3714	475-725	175	3.0	200	—	—	—	Liquid	10½	18	
L-3459	590-975	200	4.0	200	—	—	—	Liquid	10½	18	
L-3465/A	975-1500	400	4.0	300	1.5	4.6	0.8	Liquid	10½	18	
L-3464/A	1500-2350	400	4.0	325	1.2	5.0	0.8	Liquid	10½	18	
L-3460/A	2350-3575	500	4.0	300	1.8	4.7	0.8	Liquid	10½	18	
L-3461/A	3575-4975	350	4.0	250	1.5	4.7	0.8	Liquid	10½	18	
L-3467/A	4975-6175	400	4.2	250	1.5	4.9	0.8	Liquid	10½	18	
L-3468/A	6175-7275	300	4.2	200	1.5	4.7	0.8	Liquid	10½	18	
L-3462/A	7275-8775	300	4.3	250	1.5	5.0	0.8	Liquid	10½	18	
L-3463/A	8775-10,475	250	4.3	200	1.2	5.2	0.6	Liquid	10½	18	

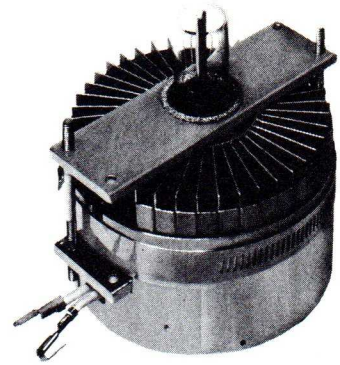
As a service to magnetron users, Litton offers a wide variety of magnetron-to-transmission line transitions and sockets.



L-5580 6.6" High



L-5580A 5.9" High



L-5261A 4 7/8" Wide

## CW Magnetrons

### MICROTRON® POWER TUBES

Tube Type	RF Power Flat Load (W)	RF Power In Cavity (W)	Anode Voltage Pk. (kv)	Anode Current Avg. (mA)	Filament Power (W)	Efficiency Flat Load %	Cooling Method	Magnet Type	General Use	Applications/Comments
L-3858	2650	2000	7.2	560	130	67	Liquid	Electromagnet	Industrial	Litton Industries Electron Tube Division offers a variety of CW magnetrons for microwave heating and cooking applications. All tubes operate within the ISM band and are fitted for antenna feed into waveguide. The L-3189 and L-3858 are designed to be used in conjunction with an electromagnet and separate RFI filter box, while all other tubes listed are supplied with permanent magnets and an integral RFI filter. When operated at cavity power levels less than 750 watts, the tubes can be used in systems requiring simultaneous application of plate and filament voltage. Engineering services are available, as well as consultation regarding specific applications.
L-3189	1350	927	7.0	300	80	70	Liquid	Electromagnet	Commercial	
L-5001A	950-1700	650-1200	3.55	400-725	92	68	Forced Air	Permanent	Commercial	
L-5260A	1000	700	3.70	400	73	68	Forced Air	Permanent	Domestic	
L-5261A	850	625	3.65	360	73	65	Forced Air	Permanent	Domestic	
L-5580	850	625	4.0	300	45	71	Forced Air	Permanent	Domestic	
L-5580A	850	625	4.0	300	45	71	Forced Air	Permanent	Domestic	

## SALES OFFICES

Main sales offices and applications engineering services for Litton magnetrons are located at 1035 Westminster Drive, Williamsport, Pennsylvania 17701. Phone (717) 326-3561 or TELEX 841430.

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