

## Tube Output (30 - 75 Watts) Single Ended - HI-FI 1627-1642 Series







## **Features**

- "Over designed" for high fidelity, single ended, Class-A, tube output circuits (triode, tetrode or pentode tubes).
- Enclosed (shielded), four slot, chassis Type "X" mounting.
- Frequency response at least 20 Hz. to 20 Khz. at full rated power (+/- 1 db max., ref. 1 Khz.)
- Insulated flexible leads 8" min.
- For maximum versatility, all units (except the 1642SE & 1638SEA) include a 40% screen tap for Ultra-Linear, tetrode/pentode operation (if desired). The 1642SE & 1638SEA do NOT include this screen tap as they were designed principally for high impedance triode tubes.
- High quality laminations, (M6) grain oriented silicon steel.
- Core is gapped to reduce core saturation in Class-A tube amplifier circuits.
- For general purpose or replacement use in single ended tube output circuits see our **125SE Series**.



			Primary		Ultra-Linear	Secondary	Hipot							Mounting
	Audio I	mpedance	Max. DC		40% Primary	Impedance	Test	Weight	Ov	verall	Dim	ensio	ns	Slot
Part No.	Watts	(Ohms)	Bias	Inductance	Тар	(Ohms)	(VRMS)	(lbs.)	Α	В	С	D	Е	G
1626SEA	25	600	200 ma.	2.9 Henrys	Yes	4-8-16	2000	11	3.75	4.44	4.56	3.00	3.31	0.20 x 0.3
1640SEA	30	1250	200 ma.	14 Henrys	Yes	4-8-16	2000	11	3.75	4.95	4.56	3.00	3.90	0.20 x 0.3

			Primary		Ultra-Linear	Secondary	Hipot							Μοι	unting
Audio Impedance Max. DC				40% Primary	Impedance	Test	Weight	<b>Overall Dimensions</b>				Slot			
Part No.	Watts	(Ohms)	Bias	Inductance	Тар	(Ohms)	(VRMS)	(lbs.)	Α	В	С	D	Е		G
1627SEA	30	2500	160 ma.	20 Henrys	Yes	4-8-16	2000	11	3.75	4.50	4.56	3.00	3.81	0.20	x 0.38
1630SEA	30	3500	135 ma.	42 Henrys	Yes	4-8-16	2000	11	3.75	4.98	4.65	3.00	3.90	0.20	x 0.38
1628SEA	30	5000	120 ma.	48 Henrys	Yes	4-8-16	2000	11	3.75	4.50	4.56	3.00	3.81	0.20	x 0.38
1642SE	75	5000	300 ma.	53 Henrys	No	4-8-16	3500	28	4.38	7.50	5.25	3.50	5.88	0.20	x 0.38
1629SEA	30	6500	100 ma.	55 Henrys	Yes	4-8-16	2000	11	3.75	4.50	4.56	3.00	3.88	0.20	x 0.38
1638SEA	30	10000	90 ma.	88 Henrys	No	4-8-16	2000	11	3.75	4.88	4.56	3.00	3.90	0.20	x 0.38

• RED wire connects to B+

• BLUE/YELLOW wire connects to screen (optional use)

• BLUE wire connects to the tube plate

• The 1642SE & 1638SEA do not include a primary screen tap (as they are designed for triode applications).

## **Suggested Tube Types:**

Part No.   Triodes   Pentodes     1626SEA   6C33   -     1640SEA   Parallel - 2A3, 6A3, 6B4G, 300B, 572B, 811A   Parallel - 6550, 6CA7     1627SEA   2A3, 6A3, 6B4G, 300B, 572B, 811A   6CA7, 6L6, 807, 5881, 6550, Parallel - 6AQ5, 6V6, EL84     1630SEA   2A3, 6A3, 6B4G, 300B   6CA7, 6L6, 807, 5881, 6550, Parallel - 6AQ5, 6V6, EL84     1628SEA   211, 300B, 572B, 811A   6AQ5, 6V6, 6L6, 807, 5881, 6550, EL84     1642SE   Parallel - 211, 572, 811A, 845   -     1629SEA   211, 811A, 572B, 845   6AQ5, 6V6, 6L6, 807, 5881, 6550, EL84     1638SEA   211, 845   -		<u>,</u>	
1640SEA Parallel - 2A3, 6A3, 6B4G, 300B, 572B, 811A Parallel - 6550, 6CA7   1627SEA 2A3, 6A3, 6B4G, 300B 6CA7, 6L6, 807, 5881, 6550, Parallel - 6AQ5, 6V6, EL84   1630SEA 2A3, 6A3, 6B4G, 300B 6CA7, 6L6, 807, 5881, 6550, Parallel - 6AQ5, 6V6, EL84   1628SEA 211, 300B, 572B, 811A 6AQ5, 6V6, 6L6, 807, 5881, 6550, EL84   1642SE Parallel - 211, 572, 811A, 845 -   1629SEA 211, 811A, 572B, 845 6AQ5, 6V6, 6L6, 807, 5881, 6550, EL84	Part No.	Triodes	Pentodes
1627SEA 2A3, 6A3, 6B4G, 300B 6CA7, 6L6, 807, 5881, 6550, Parallel - 6AQ5, 6V6, EL84   1630SEA 2A3, 6A3, 6B4G, 300B 6CA7, 6L6, 807, 5881, 6550, Parallel - 6AQ5, 6V6, EL84   1628SEA 211, 300B, 572B, 811A 6AQ5, 6V6, 6L6, 807, 5881, 6550, EL84   1642SE Parallel - 211, 572, 811A, 845 -   1629SEA 211, 811A, 572B, 845 6AQ5, 6V6, 6L6, 807, 5881, 6550, EL84	1626SEA	6C33	-
1630SEA 2A3, 6A3, 6B4G, 300B 6CA7, 6L6, 807, 5881, 6550, Parallel - 6AQ5, 6V6, EL84   1628SEA 211, 300B, 572B, 811A 6AQ5, 6V6, 6L6, 807, 5881, 6550, EL84   1642SE Parallel - 211, 572, 811A, 845 -   1629SEA 211, 811A, 572B, 845 6AQ5, 6V6, 6L6, 807, 5881, 6550, EL84	1640SEA	Parallel - 2A3, 6A3, 6B4G, 300B, 572B, 811A	Parallel - 6550, 6CA7
1628SEA 211, 300B, 572B, 811A 6AQ5, 6V6, 6L6, 807, 5881, 6550, EL84   1642SE Parallel - 211, 572, 811A, 845 -   1629SEA 211, 811A, 572B, 845 6AQ5, 6V6, 6L6, 807, 5881, 6550, EL84	1627SEA	2A3, 6A3, 6B4G, 300B	6CA7, 6L6, 807, 5881, 6550, Parallel - 6AQ5, 6V6, EL84
1642SE   Parallel - 211, 572, 811A, 845   -     1629SEA   211, 811A, 572B, 845   6AQ5, 6V6, 6L6, 807, 5881, 6550, EL84	1630SEA	2A3, 6A3, 6B4G, 300B	6CA7, 6L6, 807, 5881, 6550, Parallel - 6AQ5, 6V6, EL84
<b>16295EA</b> 211, 811A, 572B, 845 6AQ5, 6V6, 6L6, 807, 5881, 6550, EL84	1628SEA	211, 300B, 572B, 811A	6AQ5, 6V6, 6L6, 807, 5881, 6550, EL84
	1642SE	Parallel - 211, 572, 811A, 845	-
<b>1638SEA</b> 211, 845 -	1629SEA	211, 811A, 572B, 845	6AQ5, 6V6, 6L6, 807, 5881, 6550, EL84
	1638SEA	211, 845	-

**Notes:** The above examples of possible combinations are to help you narrow down the choices of transformers for your favorite tube types. How you operate the tubes (ultra-linear, bias, plate voltage, operating points, etc.) will change optimum plate load impedance. Only a few of the most popular tubes are shown. A tube manual or tube manufacturer's technical data sheets should be consulted first, before making a decision on a proper output transformer.

Data subject to change without notice

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