

AM アンテナコイル

$Q_0 = 200 / 796 \text{ kHz}$   
 $L = 690 \mu\text{H}$   
 1 - 2 : 92 T  
 3 - 4 : 12 T

2SC930 cu LA 1201

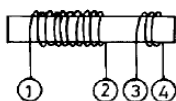
MW antenna 1-2 = 22T + 59T, 3-4 = 10 T  
 $Q_0 = 330$ ,  $L = 260 \mu\text{H}$   
 bar 10 X 120 mm

2SC929 cu LA 1210

LA 1205, LA 1207.

L5 - Antenna Coil

TDA 1220 ...  
 $R_{in} = 7,5 \text{ ko}$



f (KHz)	L (μH)	Q <sub>0</sub>	TURNS	
			1-2	3-4
796			105	7

WIRE: LITZ - 15x0.05 mm.  
 CORE: 10x80 mm.

Core:  $\phi 10 \times 60 \text{mm}$  (material: NIL)  
 ①-④ 94T  
 ②-③ 16T

Inductance (1 - 4) = 554  $\mu\text{H}$   
 Distributed capacitance = 5.5pF (max.)  
 $Q = 310 \pm 100$  (500kHz) 、  $280 \pm 100$  (1000kHz)

BA 1442A  
 $R_{in} = 10 \text{ ko}$

f (kHz)	L (μH)	Q <sub>0</sub>	TURNS	
			1-2	3-4
796	600	200	95	17

CORE : 10mm $\phi$  × 80mm

TA 8100

MW bar antenna: TYA-1005 (Mitsumi)

① - ② 68T  
 ③ - ④ 9T  
 $f_0 = 796 \text{ kHz}$   
 $Q_0 \geq 230$   
 $L = 260 \mu\text{H}$

LA 1828  
 $R_{in} = 3,5 \text{ ko}$

640  $\mu\text{H}$ ,  $Q_0 = 200$   
 $R_p = 3k5 @ F = 796 \text{ kHz}$   
 (At secondary)

AM antenna  
 1 mV/meter induces  
 approximately 100  $\mu\text{V}$   
 open circuit at the secondary

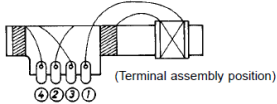
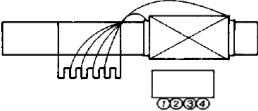
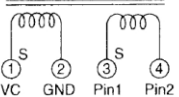
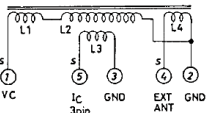
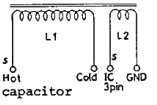
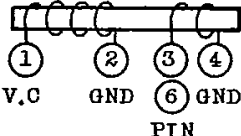
LM 1868

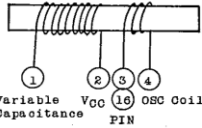

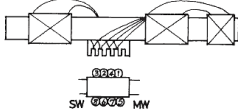
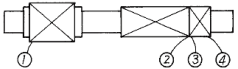
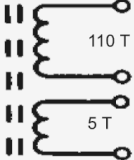
AM Bar Antenna

f (kHz)	L (μH)	Primary	Secondary
796	650	91 t	20 t

PRIMARY  
 SECONDARY

CXA 1019, 1119, ...  
 Recommended impedance  
 approx. 20 ko

<p>• Bar antenna TYA-8032 (PVC-2LXT-L) (Mitsumi)</p> <p>①-② 21T・100T ③-④ 30T ①-② L = 604 μH Q<sub>0</sub> ≥ 120</p>  <p>(Terminal assembly position)</p> <p>LW bar antenna HH-50161 (Mitsumi)</p> <p>①-② 20T ③-④ 200T ③-④ L = 2.74 mH, Q<sub>0</sub> ≥ 200</p> 	<p>LA 1816</p>
<p>• MW Bar-antenna : C8E-A0105 (Toko)</p>  <p>1-2 67 T 3-4 9 T f<sub>0</sub> = 796 kHz Q<sub>u</sub> = 180 min L = 260μH</p>	<p>LA 1823</p>
<p>(1) Bar Antenna (34H-052-869 Sumida Co.)</p>  <p>For use of general variable capacitor L (between pins 1,2) = 270μH Q<sub>0</sub> ≥ 130 L<sub>1</sub> : solenoid 43 t. L<sub>2</sub> : space 42 t. L<sub>3</sub> : solenoid 7 t. L<sub>4</sub> : solenoid 4 t.</p> <p>ORG YEL GRN WHT BLK IC 3pin EXT ANT</p> <p>(2) Bar Antenna (C-4698 Coil Snake Co.)</p>  <p>For use of variable capacitor diode L (between pins 1,2) = 250μH Q<sub>0</sub> ≥ 250 L<sub>1</sub> : solenoid 55 t. L<sub>2</sub> : solenoid 5 t.</p> <p>variable capacitor WHT BLK YEL GRN</p>	<p>LA 1240 cu Rin = 13 ko, LA 1245 cu Rin = 8 ko, LA 1260, 1805 ...</p> <p>LA 1265 cu R.in = 15 ko</p>
<p>AM Antenna CORE 10 mm ∅ × 55 mm Q<sub>0</sub> = 200 L = 560 uH 1 - 2 : 138 T 3 - 4 : 9 T</p>  <p>V.C GND PIN</p>	<p>TA 7613, KA 22427 R.in = 50 ko (?)</p>
<p>96 Wdg φ 0.25 CuLs, / 6 Wdg φ 0.25 CuLs Ferrite aerial φ 8x130 mm, Type 031039-2103-606</p>	<p>TDA 1083</p>
<p>AM Antenna Q<sub>u</sub> = 250, 110:10 turns ratio; Q2B core, 3.5" (90mm) × 0.394" (10mm) dia.</p>	<p>ULN 2240</p>

<p>L<sub>1</sub> Bar Antenna</p>  <table border="1" data-bbox="378 113 687 201"> <thead> <tr> <th>f (kHz)</th> <th>L (μH)</th> <th>Q<sub>0</sub></th> <th>Turns</th> </tr> </thead> <tbody> <tr> <td></td> <td>1-2</td> <td>1-2</td> <td>1-2 3-4</td> </tr> <tr> <td>796</td> <td>625</td> <td>200MIN</td> <td>105 20</td> </tr> </tbody> </table> <p>Core ; 12mmϕ × 53mmϕ Wire ; USTC-0.1mmϕ</p> <p>Variable V<sub>cc</sub> OSC Coil Capacitance PIN</p>	f (kHz)	L (μH)	Q <sub>0</sub>	Turns		1-2	1-2	1-2 3-4	796	625	200MIN	105 20	<p>TA 7641 AM radio</p>
f (kHz)	L (μH)	Q <sub>0</sub>	Turns										
	1-2	1-2	1-2 3-4										
796	625	200MIN	105 20										
<p><b>Low-cost 2-band AM portable receiver</b></p>  <p>N<sub>1</sub> = 60      L<sub>1</sub> and L<sub>2</sub> on ferrite N<sub>2</sub> = 4      rod; 10 mmϕ; wire : 20 x 0,03      length = 10 cm</p>	<p>TBA 570 AM radio R.in = 2,5 ko</p>												
<p>105 spire / 7 spire</p>	<p>TCA 440 AM radio TDA 1046 AM radio R.in (simetric) = 4,5 ko</p>												
<p>Ferroreceptor coil N<sub>1</sub> = 105; N<sub>2</sub> = 10; L = 625 uH</p>	<p>TEA 5591</p>												
<table border="1" data-bbox="105 576 420 703"> <tr> <td>AM-AERIAL</td> <td>ferroreceptor length = 6 cm L<sub>1-2</sub> = 625 μH N<sub>1-2</sub> = 105 turns unloaded Q</td> </tr> </table>	AM-AERIAL	ferroreceptor length = 6 cm L <sub>1-2</sub> = 625 μH N <sub>1-2</sub> = 105 turns unloaded Q	<p>TEA 5571</p>										
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<p>• TN-10896 (Mitsumi)</p>  <p>• HW-50426 (Mitsumi)</p>  <p>①-② 22T+49T, ③-④ 10T Tight solenoid direct winding ⑤-⑥ 17T 0.5ϕ space winding ⑦-⑧ 4T tight solenoid winding ①-② L=260μH, Q<sub>0</sub>=330 (≥ 200) ③-④ L=16μH, Q<sub>0</sub>=250 (≥ 150)</p> <p>①-② 21T+100T ③-④ 30T ①-② L=604μH, Q<sub>0</sub>≥ 120</p>	<p>LA 1600 AM radio CV 330pF CV 140 pF</p>												
<p>640 μH, Q<sub>U</sub> = 200      AM antenna R<sub>P</sub> = 3k5 @ F = 796 kHz      1 mV/meter induces (At secondary)      approximately 100 μV open circuit at the secondary</p>	<p>LM 1868</p>												
<p>Bar 100 x 8 mm</p>  <p>L = 650 uH Q<sub>0</sub> = 250</p>	<p>LM 1820 AM radio</p>												
<p>Bar 10x200mm, 50/5 spire, L=210uH, Q<sub>0</sub>=220</p>	<p>Okean, Selena</p>												
<p>Bar 10x200mm, 53/5 spire, L=250uH, Q<sub>0</sub>=230</p>	<p>VEF 202</p>												
<p>Bar 8x160mm, 67/5 spire, L=290uH, Q<sub>0</sub>=250</p>	<p>Spidola</p>												
<p>Bar 8x160mm, 78/6 spire, L=390uH, Q<sub>0</sub>=150</p>	<p>Sport</p>												