TABLE 4
PHYSICAL CHARACTERISTICS OF THE COIL TC728.

$r_{\rm wire} = (A_1/\pi)^{0.5} = h/2N$	$2 * 10^{-4} \text{ m} = 200 \mu \text{m}$
$A_1 = \pi r_{wire}^2 = \pi h^2 / 4N^2$	1.2566 * 10 ⁻⁷ m ²
$V_{OL1} = A_1 * \ell_c$	4.6018 * 10 ⁻⁵ m ³
$\ell_{\rm c}$ = N * 2 π r _{coil} = W _{v2} °/F _B = c/4 F _C	366.2 m
$\begin{split} r_{\rm coil} &= \ell_{\rm c} / 2\pi \; {\rm N} = r_{\rm MF} = ({\rm B}_{2^{\circ}{\rm MF}} * {\rm N})^{-1} = \\ &= {\rm W}_{\rm v2^{\circ}} / {\rm N} \; * 2\pi \; {\rm F}_{\rm B} \end{split}$	0.08 m = 8 cm
$A_2 = \pi r_{coil}^2 = \pi r_{MF}^2 = \ell_c^2 / 4\pi N^2 =$ $= \pi / B_{2^\circ MF}^2 * N^2$	2.0106 * 10 ⁻² m ²
$V_{OL2} = A_2 * h$	$5.855 * 10^{-3} \text{ m}^3 = 5.86 \text{ Liters}$
$h = N * 2 r_{wire}$	0.2912 m
N = $\ell_c/2\pi r_{coil} = \ell_c/2\pi r_{MF}$	728 turns
N/ $\ell_{\rm c}$	1.988 turns per meter
$2\pi r_{coil} = 2\pi r_{MF}$	0.5026 m
2 r _{coil}	0.16 m = 16 cm
	$A_{1} = \pi r_{wire}^{2} = \pi h^{2}/4N^{2}$ $V_{OL1} = A_{1} * \ell_{c}$ $\ell_{c} = N * 2\pi r_{coil} = W_{v2} \circ /F_{B} = c/4 F_{C}$ $r_{coil} = \ell_{c}/2\pi N = r_{MF} = (B_{2} \circ_{MF} * N)^{-1} =$ $= W_{v2} \circ /N * 2\pi F_{B}$ $A_{2} = \pi r_{coil}^{2} = \pi r_{MF}^{2} = \ell_{c}^{2}/4\pi N^{2} =$ $= \pi /B_{2} \circ_{MF}^{2} * N^{2}$ $V_{OL2} = A_{2} * h$ $h = N * 2 r_{wire}$ $N = \ell_{c}/2\pi r_{coil} = \ell_{c}/2\pi r_{MF}$ N/ℓ_{c} $2\pi r_{coil} = 2\pi r_{MF}$

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