

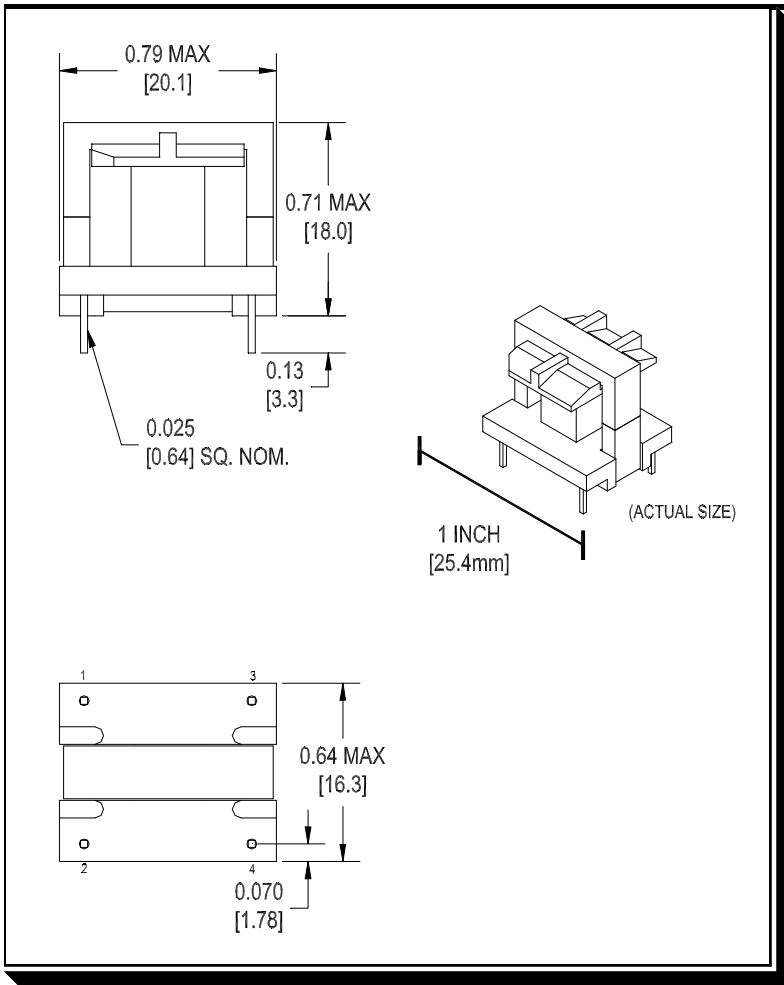
CSD 1

PLATFORM  **FEATURES**

- * Efficient, Economical
- * Frequencies up to 500kHz
- * Industry Standard Footprint
- * 2,600 VRMS Isolation
- * VDE, IEC, UL, CSA Compatible
- * UL Class 130(B) Insulation⁽¹⁾
- * Custom Versions Available

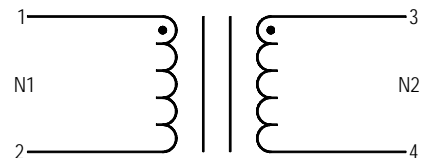
Samples Available on Request

techsales@cramercoil.com
(262) 268-2150 (Inside Sales)
(262) 268-4100 (FAX)



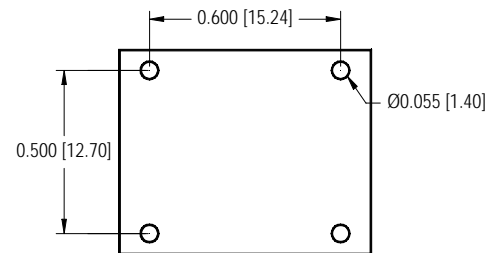
Notes:
Dimensions: inches [millimeters] (entire page)

WINDING SCHEMATIC



CSD 1 - Series				
Part Number:	1-050	1-100	1-150	1-200
Turns Ratio	2:1	1:1	1:1.5	1:2
L (mH)	1.00	1.00	1.00	1.00
LL (μH)	12.0	12.0	12.0	12.0
CC (pF)	27	27	27	27
CC (pF)	—	—	—	—
Rp (ohms)	0.43	0.43	0.43	0.43
Rs (ohms)	0.26	0.53	0.79	1.10
Rs (ohms)	—	—	—	—
Ipri (A max.)	1.25	1.25	1.25	1.25
Isec	1.25	1.25	1.25	1.25
Isec	—	—	—	—
ET Const. (Vμs)	350	350	350	350
KP ⁽³⁾⁽⁴⁾	1090	1090	1090	1090
Hipot	2,600	2,600	2,600	2,600

SUGGESTED PCB LAYOUT⁽²⁾



Note:
Unless otherwise specified, tolerances are
x.xxx = 0.003 [0.08]

(1) System designation C5; File #E110339.
(2) Final responsibility for the correct PCB layout resides with the user.
(3) To avoid saturating the transformer the peak AC flux (Bpk) must be below 0.32T.
(4) Calculate Bpk using $Bpk = Et / Kp \cdot Kd$. Where $Et = Vpk \cdot (D/F) \cdot 10^3$. $Et =$ Volt Microseconds, $Vpk =$ Peak Voltage, $D =$ Duty Cycle (decimal), $F =$ Frequency (kHz), $Kd = 1$ for Unipolar and 2 for Bipolar, $Kp =$ from table.