

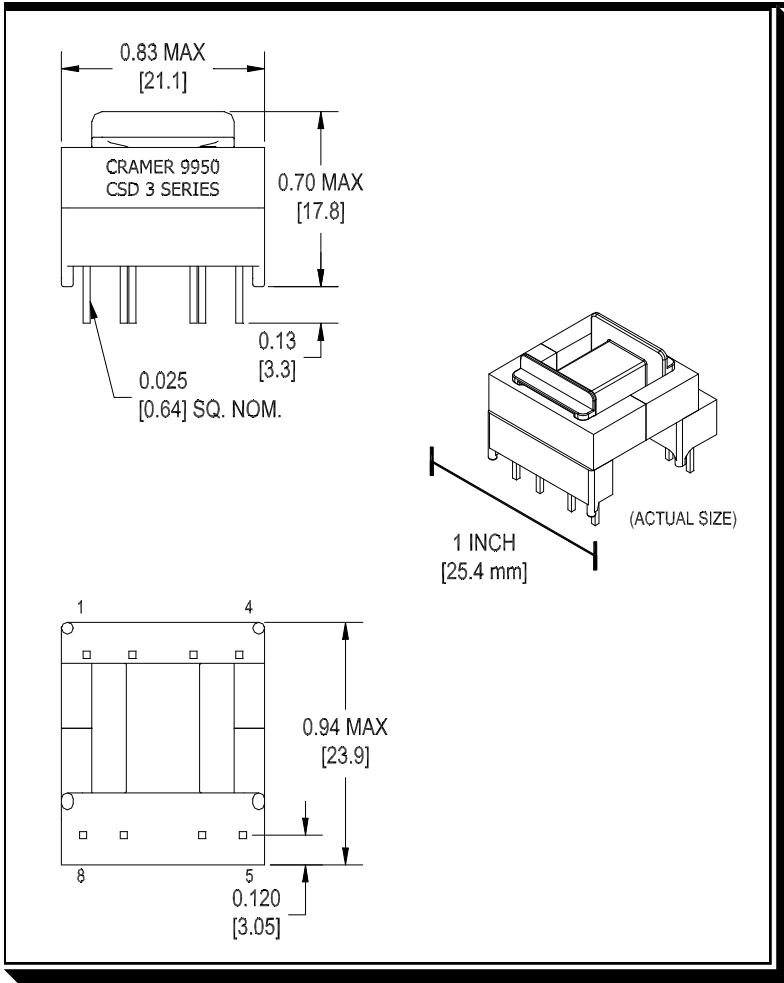
CSD 3

PLATFORM  **FEATURES**

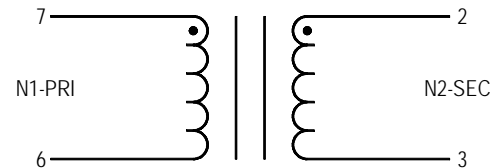
- * Efficient, Economical
- * Frequencies up to 500kHz
- * Industry Standard Footprint
- * 3,750 VRMS Isolation
- * VDE, IEC, UL, CSA Compatible
- * UL Class 130(B) Insulation⁽¹⁾
- * Custom Versions Available

Samples Available on Request

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



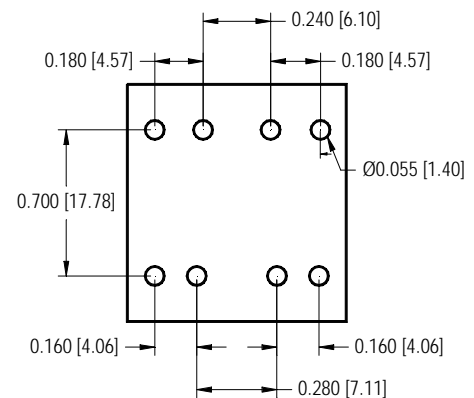
WINDING SCHEMATIC



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

CSD 3 - Series				
Part Number:	3-050	3-100	3-150	3-200
Turns Ratio	2:1	1:1	1:1.5	1:2
L (mH)	3.20	3.20	3.20	3.20
LL (μH)	10.0	10.0	10.0	10.0
CC (pF)	35	35	35	35
CC (pF)	—	—	—	—
Rp (ohms)	0.48	0.48	0.48	0.48
Rs (ohms)	0.36	0.75	1.14	1.58
Rs (ohms)	—	—	—	—
Ipri (A max.)	1.25	1.25	1.25	1.25
Isec	1.00	1.00	1.00	1.00
Isec	—	—	—	—
ET Const. (Vμs)	500	500	500	500
KP ⁽³⁾⁽⁴⁾	1570	1570	1570	1570
Hipot	3,750	3,750	3,750	3,750

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.