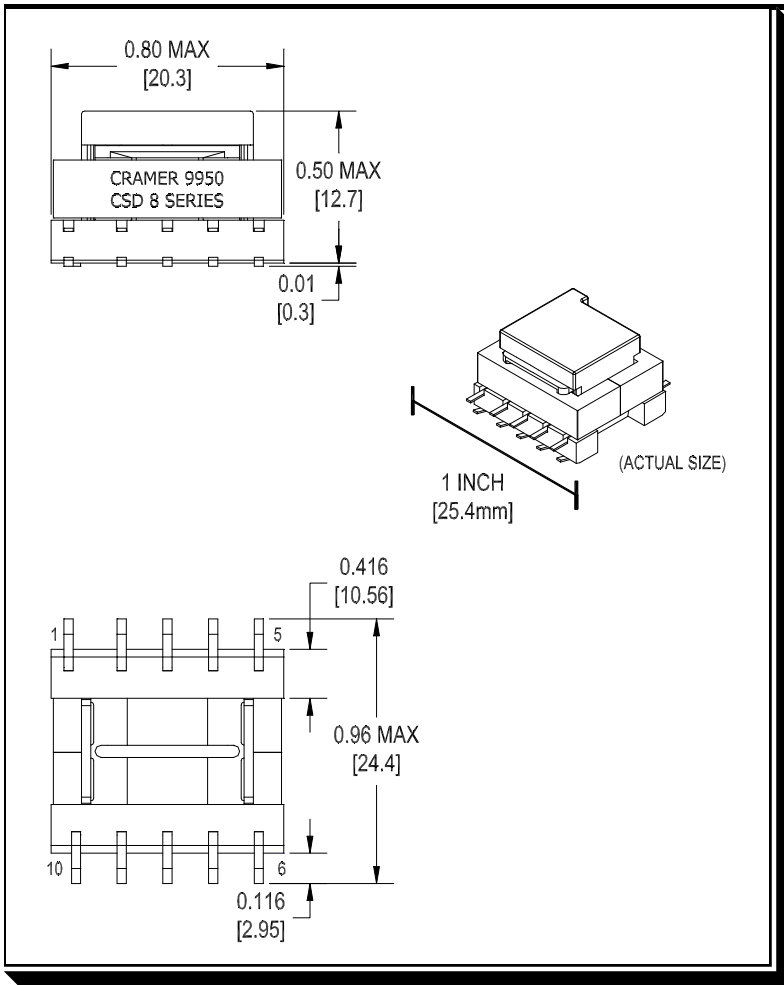


CSD 8



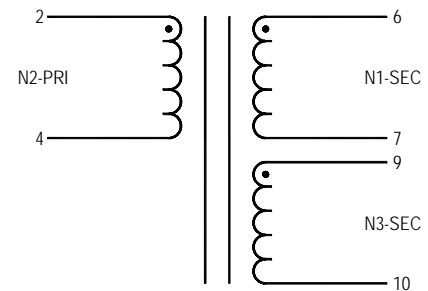
PLATFORM  **FEATURES**

- * Efficient, Economical
- * Frequencies up to 500kHz
- * Industry Standard Footprint
- * 1,600 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)

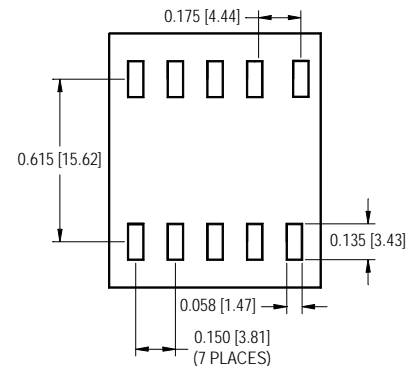
WINDING SCHEMATIC



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

CSD 8 - Series				
Part Number:	8-050	8-100	8-150	8-200
Turns Ratio	2:1:1	1:1:1	1:1.5:1.5	1:2:2
L (mH)	1.60	1.60	1.60	1.60
LL (μH)	2.50	2.50	2.50	2.50
CC (pF)	60	60	60	60
CC (pF)	60	60	60	60
Rp (ohms)	0.46	0.46	0.46	0.46
Rs (ohms)	0.16	0.66	1.00	1.30
Rs (ohms)	0.19	0.78	1.20	1.65
Ipri (A max.)	1.00	1.00	1.00	0.75
Isec	1.25	0.75	0.75	0.75
Isec	1.25	0.75	0.75	0.75
ET Const. (Vμs)	270	270	270	270
KP ⁽³⁾⁽⁴⁾	850	850	850	850
Hipot	1,600	1,600	1,600	1,600

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.