DATATRONIC
DISTRIBUTION, INC.

RoHS Compliant

220 Series Common Mode EMI Suppression Inductors

Features
- **Designed for use in switching mode power supply input filter circuits**
- **Windings balanced within 1%**
- **Low profile and vertical mountings are available**
- **High dielectric strength 1250VRMS**
- **International safety construction**
- **Creepage 3.0mm minimum between windings**
- **Meets UL94VO requirement**
- **Tinned Leads with Leaded Solder is Available** (note 3)
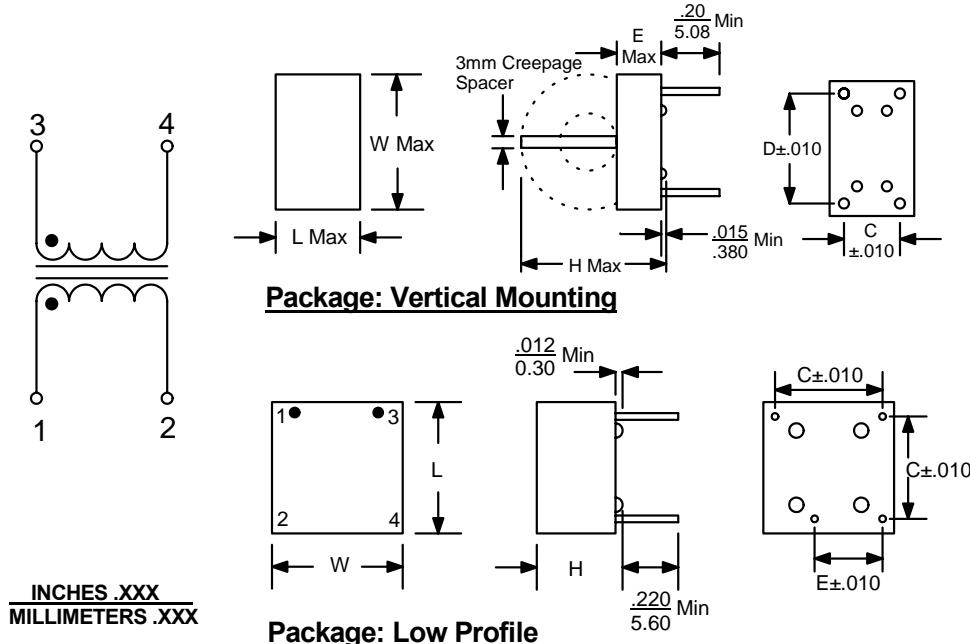
ELECTRICAL SPECIFICATIONS AT 25ºC

Part Number Vertical Mounting	Inductance @ 1KHz mH (Min)	Test Volts RMS @ 1KHz	Leakage Inductance 130KHz μH (Min)	DCR Each WDG Ω (Max)	Rated Current (1) Amps RMS	Load (2) VA RMS 117V	Load (2) VA RMS 220V	Lead Dia Inches ±.003	Package	Part Number Low Profile	Package
PT22001	10.0	0.50	130	0.24	1.8	210	420	0.032	1	PT22011	3
PT22002	3.0	0.20	35	0.06	3.5	400	800	0.032	1	PT22012	3
PT22003	1.0	0.08	12	0.02	6.0	700	1400	0.036	1	PT22013	3
PT22004	16.0	1.00	180	0.16	2.6	300	600	0.040	2	PT22014	4
PT22005	8.0	0.50	90	0.12	3.2	375	750	0.040	2	PT22015	4
PT22006	4.0	0.20	45	0.04	5.2	600	1200	0.036	2	PT22016	4
PT22007	2.0	0.08	25	0.02	7.5	875	1750	0.047	2	PT22017	4

Notes:
1. Caution-Do <u>NOT</u> exceed rated RMS current ratings.
2. Rated RMS current for 40°C temp rise.
3. For non-RoHS parts, replace PT prefix with 42- (e.g. PT22001 becomes 42-22001).
4. Terminal finish is compliant to RoHS requirements

Package: Vertical Mounting

INCHES .XXX
MILLIMETERS .XXX

Package: Low Profile

	W	L	C	D	E	H		W	L	H	C	E
	Vertical Mounting Outline							**Low Profile Outline**				
Package 1	1.150 / 29.21	.550 / 13.97	.400 / 10.15	.800 / 20.32	.450 / 11.43	1.150 / 29.21	Package 3	1.250 / 31.75	1.250 / 31.75	.610 / 15.54	1.000 / 25.40	.900 / 22.86
Package 2	1.440 / 36.57	.800 / 20.32	.600 / 15.24	.900 / 22.86	.700 / 17.78	1.500 / 38.10	Package 4	1.500 / 38.10	1.500 / 38.10	.810 / 20.62	1.280 / 32.51	1.083 / 27.50