Bicron Electronics
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Pulse Transformer
P2200 Series

Input Voltage (VRMS) (±10%) ..... See Table
Frequency Range (KHz) ..... See Table
Output Power 2KVA
Regulation** ..... 2.0 %
Efficiency** 98%
Temperature Class ..... 130°C
Ambient Temperature Range ..... –40°C to +85°C
Temperature Rise** ..... 5°C

Primary Inductance (mH) Typical: ..... See Table
Coupling Capacitance (pF) Maximum ..... See Table
Leakage Inductance** (mH) Nominal ..... See Table
Dielectric Strength Tested: ..... 3KVrms @60Hz.
Primary and Shield to all Secondaries
Partial Discharge (Corona) Tested: ..... 2.2KVrms @60Hz.
Primary and Shield to all Secondaries
BIL Rating: 8KV
**Aproximate values (Contact us for defined limits)

Configuration Number	Schematic	Primary			Secondary	
		Input (Vrms)	Inductance (mH—Typ.)	Frequency Range KHz	Output (Vrms) @Arms) Secondary 1	Output (Vrms) @Arms) Secondary 2
P2200-36-18-18	1A/1B	36	11.00	10–50	18.0 @ 55.5	18.0 @ 55.5
P2200-36-18-0	2A/2B				18.0 @ 111	
P2200-36-18-0	3A/3B				18.0 @ 111	
P2200-48-18-18	1A/1B	48	18.00		18.0 @ 55.5	18.0 @ 55.5
P2200-48-18-0	2A/2B				18.0 @ 111	
P2200-48-18-0	3A/3B				18.0 @ 111	
P2200-100-18-18	1A/1B	100	88.00		18.0 @ 55.5	18.0 @ 55.5
P2200-100-18-0	2A/2B				18.0 @ 111	
P2200-100-18-0	3A/3B				18.0 @ 111	
P2201-36-18-18	1A/1B	36	7.00	50–100	18.0 @ 55.5	18.0 @ 55.5
P2201-36-18-0	2A/2B				18.0 @ 111	
P2201-36-18-0	3A/3B				18.0 @ 111	
P2201-48-18-18	1A/1B	48	12.00		18.0 @ 55.5	18.0 @ 55.5
P2201-48-18-0	2A/2B				18.0 @ 111	
P2201-48-18-0	3A/3B				18.0 @ 111	
P2201-100-18-18	1A/1B	100	59.00		18.0 @ 55.5	18.0 @ 55.5
P2201-100-18-0	2A/2B				18.0 @ 111	
P2201-100-18-0	3A/3B				18.0 @ 111	
P2202-36-18-18	1A/1B	36	3.50	100–250	18.0 @ 55.5	18.0 @ 55.5
P2202-36-18-0	2A/2B				18.0 @ 111	
P2202-36-18-0	3A/3B				18.0 @ 111	
P2202-48-18-18	1A/1B	48	6.00		18.0 @ 55.5	18.0 @ 55.5
P2202-48-18-0	2A/2B				18.0 @ 111	
P2202-48-18-0	3A/3B				18.0 @ 111	
P2202-100-18-18	1A/1B	100	29.00		18.0 @ 55.5	18.0 @ 55.5
P2202-100-18-0	2A/2B				18.0 @ 111	
P2202-100-18-0	3A/3B				18.0 @ 111	

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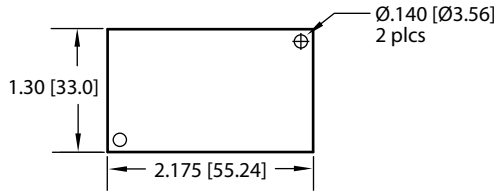
P2200 Parasitic Values

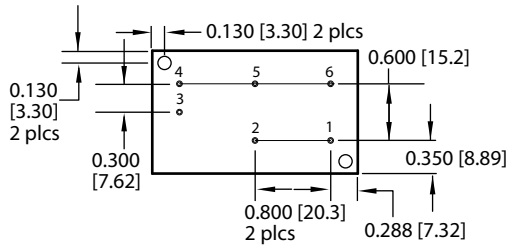
Frequency KHz	Voltage RMS	Leakage Inductance µH (Typ.)	Capacitance pF (Typ.)
10 - 50	36	10	10
	48	15	15
	100	50	20
50 - 100	36	4	8
	48	7	12
	100	15	15
100 - 250	36	3	5
	48	5	8
	100	7	12

Dimensions

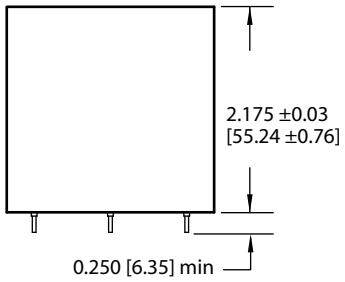
Top View



Bottom View



Side View



All measurements in inches and [mm]

Schematics