

Input Voltage (VRMS) ( $\pm 10\%$ ) ..... See Table  
 Frequency Range (KHz) ..... See Table  
 Output Power ..... 150VA  
 Regulation\*\* ..... 4.0 %  
 Efficiency\*\* ..... 95%  
 Temperature Class ..... 130°C  
 Ambient Temperature Range ..... -40°C to +85°C  
 Temperature Rise\*\* ..... 8°C

Primary Inductance (mH) Typical: ..... See Table  
 Coupling Capacitance (pF) Maximum ..... See Table  
 Leakage Inductance\*\* (mH) Nominal ..... See Table  
 Dielectric Strength Tested: ..... 7KVrms @60Hz.  
 Primary and Shield to all Secondaries  
 Partial Discharge (Corona) Tested: ..... 3.5KVrms @60Hz.  
 Primary and Shield to all Secondaries  
 BIL Rating: ..... 14KV  
 \*\*Approximate values (Contact us for defined limits)

Configuration Number	Schematic	Primary			Secondary	
		Input (Vrms)	Inductance (mH—Typ.)	Frequency Range KHz	Output (Vrms) @Arms	
					Secondary 1	Secondary 2
ST3500-36-18-18	1A/1B	36	13.20	10-50	18.0 @ 4.167	18.0 @ 4.167
ST3500-36-18-0	2A/2B				18.0 @ 8.333	
ST3500-36-18-0	3A/3B				18.0 @ 8.333	
ST3500-48-18-18	1A/1B	48	14.20		18.0 @ 4.167	18.0 @ 4.167
ST3500-48-18-0	2A/2B				18.0 @ 8.333	
ST3500-48-18-0	3A/3B				18.0 @ 8.333	
ST3500-100-18-18	1A/1B	100	16.40		18.0 @ 4.167	18.0 @ 4.167
ST3500-100-18-0	2A/2B				18.0 @ 8.333	
ST3500-100-18-0	3A/3B				18.0 @ 8.333	
ST3500-36-18-18	1A/1B	36	10.20	50-100	18.0 @ 4.167	18.0 @ 4.167
ST3500-36-18-0	2A/2B				18.0 @ 8.333	
ST3500-36-18-0	3A/3B				18.0 @ 8.333	
ST3500-48-18-18	1A/1B	48	11.20		18.0 @ 4.167	18.0 @ 4.167
ST3500-48-18-0	2A/2B				18.0 @ 8.333	
ST3500-48-18-0	3A/3B				18.0 @ 8.333	
ST3500-100-18-18	1A/1B	100	14.80		18.0 @ 4.167	18.0 @ 4.167
ST3500-100-18-0	2A/2B				18.0 @ 8.333	
ST3500-100-18-0	3A/3B				18.0 @ 8.333	
ST3500-36-18-18	1A/1B	36	5.20	100-250	18.0 @ 4.167	18.0 @ 4.167
ST3500-36-18-0	2A/2B				18.0 @ 8.333	
ST3500-36-18-0	3A/3B				18.0 @ 8.333	
ST3500-48-18-18	1A/1B	48	6.20		18.0 @ 4.167	18.0 @ 4.167
ST3500-48-18-0	2A/2B				18.0 @ 8.333	
ST3500-48-18-0	3A/3B				18.0 @ 8.333	
ST3500-100-18-18	1A/1B	100	8.20		18.0 @ 4.167	18.0 @ 4.167
ST3500-100-18-0	2A/2B				18.0 @ 8.333	
ST3500-100-18-0	3A/3B				18.0 @ 8.333	

**ST3500 Parasitic Values**

Frequency KHz	Voltage RMS	Leakage Inductance $\mu\text{H}$ (Typ.)	Capacitance $\text{pF}$ (Typ.)
10 - 50	36	40	30
	48	45	35
	100	50	50
50 - 100	36	35	25
	48	40	30
	100	45	45
100 - 250	36	20	15
	48	35	20
	100	40	30

