



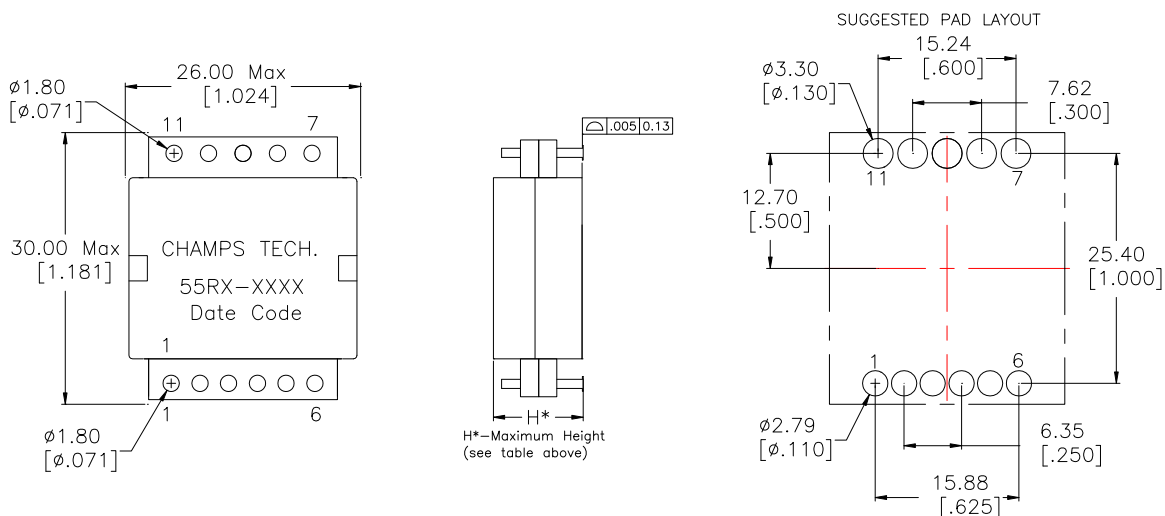
Champs Technologies

RoHS
Compliant

- '55' Series -- Power Rating to 350W Forward Topology || 650W PSFB Topology
- Height 7.4mm to 10.2mm | Footprint: 30mm x 26mm Max
- Frequency Range 100 KHz to 800 KHz Typical | Dielectric Isolation: 1750 Vdc Basic

Electrical Specifications @25C -- Rated Temperature [Inclusive of Temp Rise] -55°C to +130°C									
Part Number	Turns			Primary* Induct. (μH Min)	Leakage Induct. (μH Nom)	DCR (mΩ Nom)			Sch.
	PRI. A	PRI. B	Sec.			PRI. A	PRI. B	Sec.	
Double Interleave Designs									
Max Ht 10.2mm									
55R2-4444	4T	4T	4T 1T & 1T 1T & 1T	216	0.100	7	7	3.50	A1
55R2-5544	5T	5T		340	0.150	12	12		
55R2-6644	6T	6T		480	0.180	17	17		
55R2-7744	7T	7T		660	0.250	25	25		
55R2-8844	8T	8T		860	0.280	32	32		
55R2-4411	4T	4T	1T & 1T	216	0.100	7	7	0.45 & 0.45	A2
55R2-5511	5T	5T		340	0.150	12	12		
55R2-6611	6T	6T		480	0.180	17	17		
55R2-7711	7T	7T		660	0.250	25	25		
55R2-8811	8T	8T		860	0.280	32	32		

Notes: *Inductance is measured with both primary windings connected in series (2 to 5, with 3 and 4 shorted). Leakage Inductance is measured with both primary windings connected in series (2-5 w/ 3,4 connected) and secondaries (7 thru 11) shorted





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RoHS
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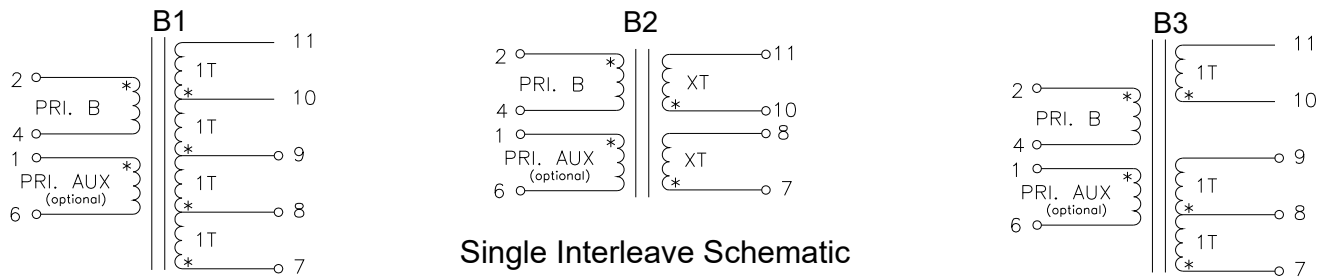
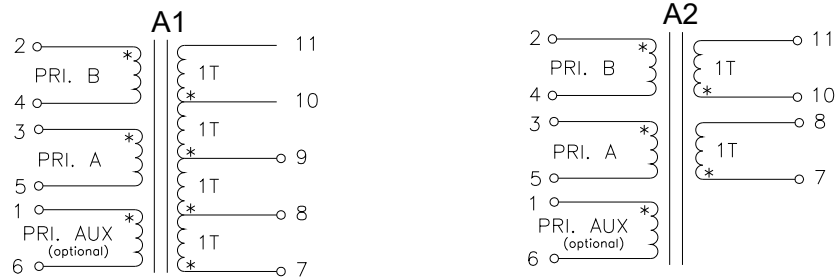
Electrical Specifications @25C -- Rated Temperature [Inclusive of Temp Rise] -55°C to +130°C

Part Number	Turns		Primary* Induct. (μH Min)	Leakage Induct. (μH Nom)	DCR (mΩ Nom)		Sch.
	PRI	Sec.			PRI	Sec.	
Single Interleave Designs				Max Ht 7.4 mm			
55R1-4444	4T	4T 1T&1T 1T&1T	54	0.15	7	7.00	B1
55R1-5544	5T		85	0.18	12		
55R1-6644	6T		120	0.22	17		
55R1-7744	7T		165	0.28	25		
55R1-8844	8T		215	0.33	32		
55R1-4477	4T	7T&7T	54	0.15	7	46 & 46	B2
55R1-5577	5T		85	0.18	12		
55R1-6677	6T		120	0.22	17		
55R1-7777	7T		165	0.28	25		
55R1-8877	8T		215	0.33	32		
55R1-4411	4T	1T&1T	54	0.15	7	0.9 & 0.9	B2
55R1-5511	5T		85	0.18	12		
55R1-6611	6T		120	0.22	17		
55R1-7711	7T		165	0.28	25		
55R1-8811	8T		215	0.33	32		
55R1-4421	4T	2T&1T	54	0.15	7	4 & 1	B3
55R1-5521	5T		85	0.18	12		
55R1-6621	6T		120	0.22	17		
55R1-7721	7T		165	0.28	25		
55R1-8821	8T		215	0.33	32		

Notes: *Inductance is measured with both primary windings connected in series(2 to 5, with 3,4 shorted). Leakage Inductance is measured with both primary windings connected in series (2-5) and secondaries (7 thru 11) shorted.



Double Interleave Schematic



Single Interleave Schematic

Champs Technologies to Pulse PA09 Cross Reference					
Champs PN	Pulse PN	Champs PN	Pulse PN	Champs PN	Pulse PN
55R2-4444	PA0901	55R1-4444	PA0930	55R1-4411	PA0938
55R2-5544	PA0903	55R1-5544	PA0931	55R1-5511	PA0939
55R2-6644	PA0905	55R1-6644	PA0932	55R1-6611	PA0940
55R2-7744	PA0907	55R1-7744	PA0933	55R1-7711	PA0941
55R2-8844	PA0909	55R1-8844	PA0946	55R1-8811	PA0948
55R2-4411	PA0908	55R1-4477	PA0934	55R1-4421	PA0942
55R2-5511	PA0910	55R1-5577	PA0935	55R1-5521	PA0943
55R2-6611	PA0912	55R1-6677	PA0936	55R1-6621	PA0944
55R2-7711	PA0914	55R1-7777	PA0937	55R1-7721	PA0945
55R2-8811	PA0916	55R1-8877	PA0947	55R1-8821	PA0949
Champs offers '55' Series in many non-standard turns configurations not shown or cross-ref.					