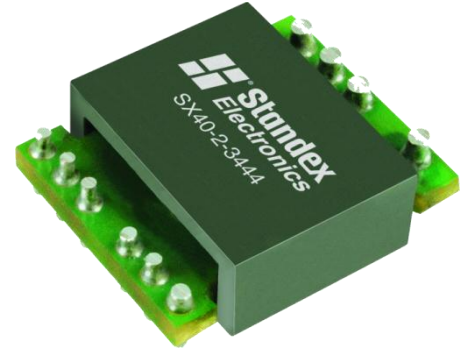


SX40 Series Planar Transformers with Power Ratings to 180W / 360W



Contact Information:

Standex-Meder Electronics

World Headquarters
4538 Camberwell Road
Cincinnati, OH 45209 USA

Standex Americas (OH)

+1.866.STANDEX
(+1.866.782.6339)
info@standexelectronics.com

Meder Americas (MA)

+1.800.870.5385
salesusa@standexmeder.com

Standex-Meder Asia (Shanghai)

+86.21.37820625
salesasia@meder.com

Standex-Meder Europe

(Germany)
+49.7731.8399.0
info@standexmeder.com

Single Interleave Designs - Maximum Height 7.4mm

Part #	Turns			Primary* Inductance (μ H Min.)	Leakage** Inductance (μ H Nom)	DCR (m Ω Nom)			Sch.
	PRI A	PRI B	Sec.			PRI A	PRI B	Sec.	
SX40-1-3444	3T	4T		117	0.15	9	15		
SX40-1-4444	4T	4T		153	0.20	15	15		
SX40-1-4544	4T	5T		194	0.25	15	26		
SX40-1-5544	5T	5T	4T	240	0.30	26	26	7.00	A1
SX40-1-5644	5T	6T		290	0.35	26	36		
SX40-1-6644	6T	6T		345	0.40	36	36		
SX40-1-3411	3T	4T		117	0.15	9	15		
SX40-1-4411	4T	4T		153	0.20	15	15		
SX40-1-4511	4T	5T		194	0.25	15	26		
SX40-1-5511	5T	5T	1T & 1T	240	0.30	26	26	1 & 1	A2
SX40-1-5611	5T	6T		290	0.35	26	36		
SX40-1-6611	6T	6T		345	0.40	36	36		
SX40-1-3421	3T	4T		117	0.15	9	15		
SX40-1-4421	4T	4T		153	0.20	15	15		
SX40-1-4521	4T	5T		194	0.25	15	26		
SX40-1-5521	5T	5T	2T & 1T	240	0.30	26	26	4 & 1	A3
SX40-1-5621	5T	6T		290	0.35	26	36		
SX40-1-6621	6T	6T		345	0.40	36	36		
SX40-1-4431	4T	4T		153	0.20	15	15		
SX40-1-4531	4T	5T	3T & 1T	194	0.30	15	26	9 & 1	A3

* Inductance is measured with primary winding (2 to 4).

**Leakage inductance is measured on winding (2 - 4) with all other windings shorted.

Double Interleave Designs - Maximum Height 9.8mm

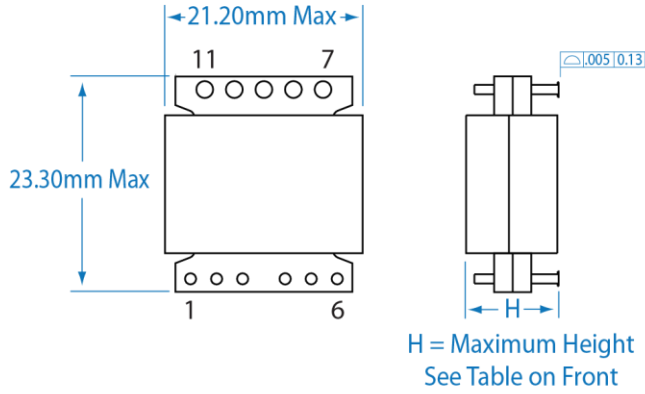
Part #	Turns			Primary* Inductance (μ H Min.)	Leakage** Inductance (μ H Nom)	DCR (m Ω Nom)			Sch.
	PRI A	PRI B	Sec.			PRI A	PRI B	Sec.	
SX40-2-3444	3T	4T		117	0.100	5	8		
SX40-2-4444	4T	4T		153	0.100	8	8		
SX40-2-4544	4T	5T		194	0.100	8	14		
SX40-2-5544	5T	5T	(1T:1T:1T)	240	0.150	14	14	4.00	A1
SX40-2-5644	5T	6T		290	0.150	14	19		
SX40-2-6644	6T	6T		345	0.150	19	19		
SX40-2-3411	3T	4T		117	0.100	5	8		
SX40-2-4411	4T	4T		153	0.100	8	8		
SX40-2-4511	4T	5T		194	0.100	8	14		
SX40-2-5511	5T	5T	1T & 1T	240	0.150	14	14	0.6 & 0.6	A2
SX40-2-5611	5T	6T		290	0.150	14	19		
SX40-2-6611	6T	6T		345	0.150	19	19		
SX40-2-3421	3T	4T		117	0.100	5	8		
SX40-2-4421	4T	4T		153	0.100	8	8		
SX40-2-4521	4T	5T		194	0.100	8	14		
SX40-2-5521	5T	5T	2T & 1T	240	0.150	14	14	1.7 & 0.6	A3
SX40-2-5621	5T	6T		290	0.150	14	19		
SX40-2-6621	6T	6T		345	0.150	19	19		
SX40-2-4431	4T	4T		153	0.100	8	8		
SX40-2-4531	4T	5T	3T & 1T	194	0.100	8	14	5 & 0.6	A3

* Inductance is measured with both primary windings connected in series (2 to 5, with 3 and 4 shorted).

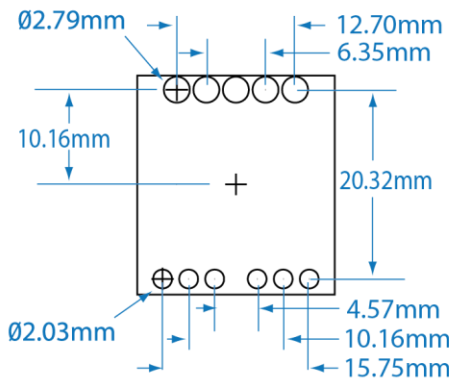
**Leakage inductance is measured on winding (2 - 5) connected in series with all other windings shorted.

Notes: All Electrical Values at 25°C | Pri : Sec'y : Core Isolation 1750 VAC / Sec. : Core 500 VDC | Creepage 8mm Pri : Core
Maximum Non-Operating Temperatures: -55°C to +130°C | Maximum Operating Rated Temperatures: -30°C to +85°C

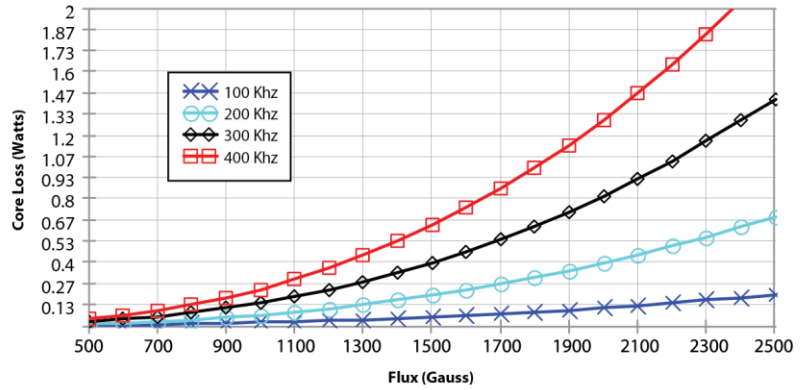
Mechanical Dimensions



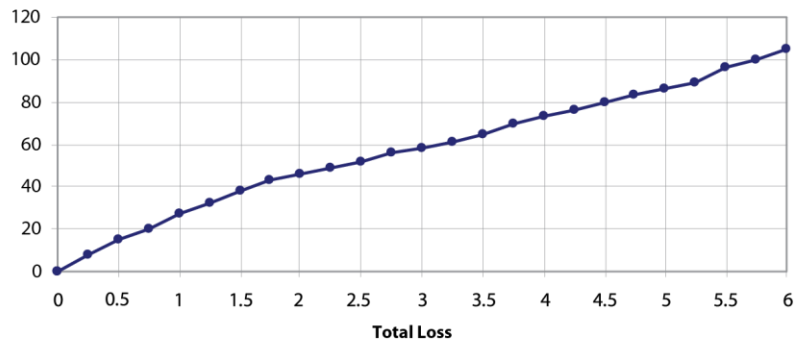
Suggested Pad Layout



Core Loss Vs Flux Density



Temperature Rise



Schematics

