

HDSL Magnetics

GlobeSpan MDSL/HDSL2

bel

TM00313

- Designed to meet UL1950 and IEC 950 safety requirements
- Operating temperature range: -40° to +85° C
- Meets IEC 695, 2-2 flammability requirements
- PWB Process Capability: standard printed wiring board assembly techniques, total-immersion cleaning
- Reliability testing: shock, vibration, temperature cycling, temperature - humidity - bias
- Minimum interwinding breakdown voltage 1500 Vrms

ELECTRICAL SPECIFICATIONS AT 25° C

Part Number	Turns Ratio ±2%	DCR Ω max		Return Loss ¹ db max	Insertion Loss ² db max	Longitudinal Balance ³ db min	Harmonic Distortion ⁴ db min	Inductance ⁵ mH ±10%
	(1-3) : (2-4) : (7-5) : (8-6)	(1-4)	(8-5)					(1-4)
S560-6600-24	1 : 1 : 2 : 2	6	7	10	4	60	85	3.125

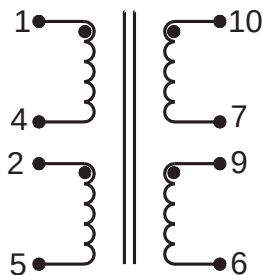
- Measured at 100 kHz to 1 MHz
- Measured at 1 kHz to 2 Mz
- Measured at 20 kHz to 1 MHz
- Measured at 3.5 Vrms, 10 kHz, Rs = 135 Ω, RL = 33.8 Ω
- Measured at 10 kHz, connect 2 to 3

Part Number	Turns Ratio ±2%	DCR Ω max				Return Loss ¹ db max	Insertion Loss db max		Longitudinal Balance ² db min	Harmonic Distortion ³ db min
	(1-4) : (2-5) : (10-7) : (9-6)	(1-4)	(2-5)	(9-6)	(10-7)		1 kHz - 2 MHz	4 kHz - 1 MHz		
S560-6600-37	1 : 1 : 2 : 2	3	3	4	4	10	4	1.1	60	85

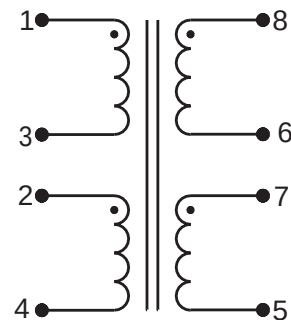
- measured at 100 kHz to 200 kHz
- measured at 20 kHz to 1 MHz
- measured at 10 kHz

SCHEMATIC

S560-6600-37



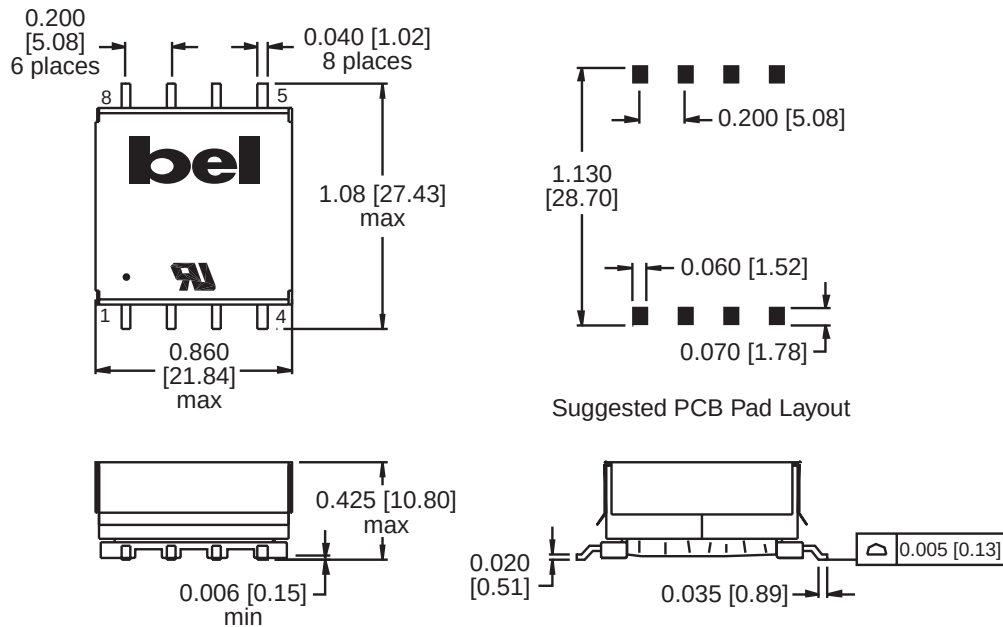
S560-6600-24



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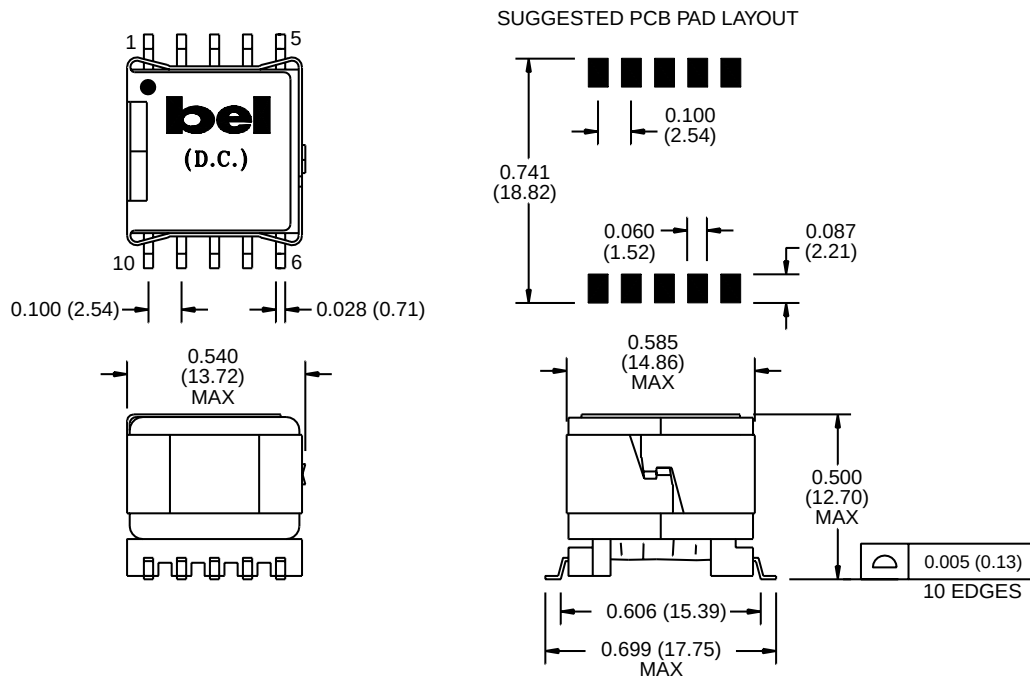
MECHANICAL

S560-6600-24



Dimensions are in inches [millimeters].
Standard dimension tolerance is ± 0.005 [0.13] unless otherwise noted.

S560-6600-37



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