

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Bel Fuse Inc.](#)
[S553-6500-89-F](#)

For any questions, you can email us directly:
sales@integrated-circuit.com



HIGH FREQUENCY MAGNETICS

T1/E1 Miniature Surface Mount Transformers

TM00144

- Meets pulse template and return loss requirements of T1/E1 Interface circuits
- Minimum interwinding breakdown voltage of 1500 Vrms
- Operating Temperature Range: -40° C 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

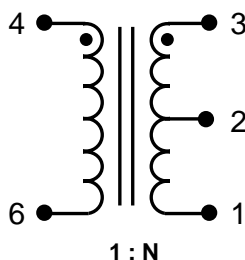
ELECTRICAL SPECIFICATIONS at 25° C

Part Number	Turns Ratio	Inductance ¹	Leakage Inductance ²	DCR		Interwinding Capacitance	Surge Voltage Capability ³	
	(4 - 6) : (3 - 1)	(4 - 6)	(4 - 6)	(4 - 6)	(3 - 1)		Metallic	Longitudinal
	± 1%	mH min	μH max	Ω max	Ω max	pF	V peak	V peak
S553-6500-89	1 : 1CT	1.6	1.2	1.7	1.8	45 max	3000	2500
S553-6500-90	1 : 1.14CT	1.6	0.8	2.1	2.5	35 typ	2500	2500
S553-6500-91	1 : 1.35CT	1.3	0.8	1.9	2.5	35 typ	2500	2500

1. measured at 10 kHz, 0.1 Vac
2. measured at 100 kHz, 0.1 Vac
3. See Supplementary Information

SCHEMATIC

S553-6500-89
 S553-6500-90
 S553-6500-91



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