

ADSL Magnetics

POTS Filter Inductor



TM01378

- Developed for use in POTS filter designs
- Can support up to 120 mA DC
- Minimum interwinding breakdown voltage of 1500 Vrms
- Operating and storage 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

ELECTRICAL SPECIFICATIONS AT 25° C

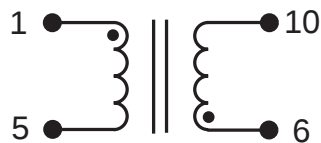
Part Number	Nominal Turns Ratio	Inductance ¹ mH ±5%		Q min 50kHz	Self Resonant Frequency kHz min	DCR ² Ω max	
		(1 - 5)	(6 - 10)			(1 - 5)	(6 - 10)
S555-2999-00	1 : 1	1.00	1.00	200	850	0.650	0.650

1. Measured at 50 kHz, 0.1V

2. DCR balance winding to winding ±1.5%

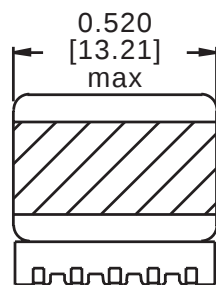
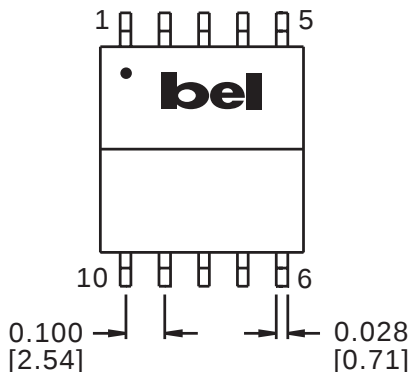
SCHEMATIC

S555-2999-00

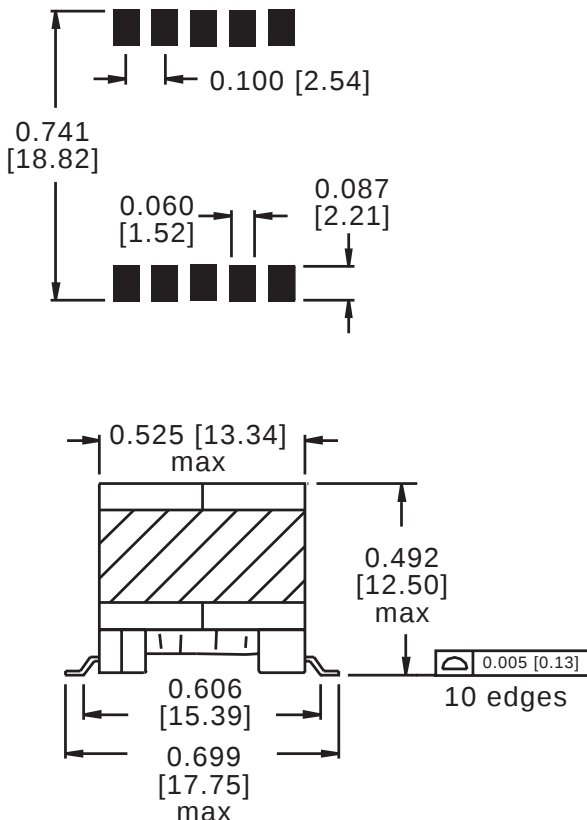


MECHANICAL

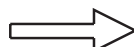
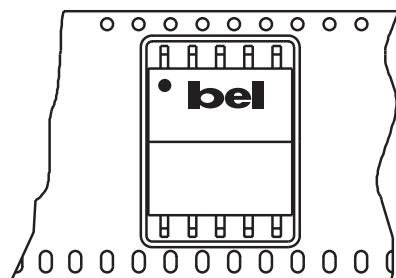
S555-2999-00



Suggested PCB Pad Layout



Dimensions are in inches [millimeters].
Standard dimension tolerance is ± 0.010 [0.25] unless otherwise noted.



User Feed Direction

Orientation of Component Inside Pocket

Tape and Reel Packaging

32 mm wide by 24 mm pitch; 13 inch OD, 4 inch ID
200 components per reel, maximum
Meets ANSI/EIA 481-2 Carrier Tape Standards

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