



FEATURES

- RoHS compliant
- Up to 4.6A DC
- 3.3µH to 680µH
- Optional integral EMI shield
- Low R_{DC}
- Surface mount
- Compact size
- Tape and reel packaging
- J-STD-020C reflow
- Backward compatible with Sn/Pb soldering systems

DESCRIPTION

The 2600 series is a range of bobbin-wound, surface-mount inductors designed for use in switching power supply, and power line filter circuits. The parts are suitable for any application requiring a high saturation current in a miniature surface-mount footprint. Where EMI is a critical factor, the devices are available with an integral ferrite EMI shield.

2600 Series

Bobbin Wound Surface Mount Inductors

SELECTION GUIDE (UNSHIELDED TYPES)

Order Code	Inductance (1kHz, 100mVAC)	Inductance Range (1kHz, 100mVAC)	DC Current ¹	DC Resistance	SRF	Recommended Alternative
	Nom.	Min. - Max.				
	µH	µH				
To be discontinued						
263R3C	3.3	2.13-3.95	4.40	35	53.0	46332C
264R7C	4.7	3.41-6.34	3.60	45	37.0	46472C
266R8C	6.8	5.00-9.28	3.10	54	31.0	46682C
26100C	10	8.00-12.0	2.60	60	24.8	46103C
26120C	12	7.95-14.8	2.42	68	24.0	46103C
26150C	15	12.0-18.0	2.27	90	20.2	46153C
26180C	18	12.9-24.0	2.10	87	19.0	46153C
26220C	22	17.6-26.4	1.95	100	16.9	46223C
26330C	33	26.4-39.6	1.50	120	12.8	46333C
26470C	47	42.3-51.7	1.28	170	10.2	46473C
26680C	68	61.2-74.8	1.11	220	8.37	46683C
26101C	100	90.0-110	0.97	350	6.56	46104C
26151C	150	135-165	0.78	470	5.20	46154C
26221C	220	198-242	0.66	730	4.00	46224C
26331C	330	297-363	0.52	1150	3.14	46334C
26471C	470	423-517	0.42	1480	2.54	46474C
26681C	680	612-748	0.28	2250	1.97	46684C

SELECTION GUIDE (SHIELDED TYPES)

Order Code	Inductance (1kHz, 100mVAC)	Inductance Range (1kHz, 100mVAC)	DC Current ¹	DC Resistance	SRF	Recommended Alternative
	Nom.	Min. - Max.				
	µH	µH				
To be discontinued						
26S3R3C	3.3	2.69-5.46	4.60	33	46.0	46332C
26S4R7C	4.7	3.58-7.15	3.80	38	38.0	46472C
26S6R8C	6.8	4.60-8.97	3.21	43	30.0	46682C
26S100C	10	8.00-12.0	2.65	50	22.9	46103C
26S120C	12	8.42-15.9	2.55	58	21.0	46103C
26S150C	15	12.0-18.0	2.45	60	19.7	46153C
26S180C	18	13.4-25.6	2.32	74	16.0	46153C
26S220C	22	18.7-26.4	2.20	70	15.5	48220SC
26S330C	33	28.1-39.6	1.80	100	11.5	48330SC
26S470C	47	40.0-56.4	1.50	120	9.44	48470SC
26S680C	68	57.8-81.6	1.26	170	7.47	48680SC
26S101C	100	85.0-120	1.05	250	6.04	48101SC
26S151C	150	128-180	0.85	400	4.67	48151SC
26S221C	220	187-264	0.70	520	3.75	48221SC
26S331C	330	281-396	0.57	800	2.87	48331SC
26S471C	470	400-564	0.48	1200	2.33	48471SC
26S681C	680	578-816	0.40	1780	1.83	48681SC

ABSOLUTE MAXIMUM RATINGS

Operating free air temperature range	-40°C to 85°C
Storage temperature range	-40°C to 125°C

SOLDERING INFORMATION²

Peak reflow temperature	245°C
Pin finish	Hot dipped tin

Specifications typical at $T_A = 25^\circ\text{C}$

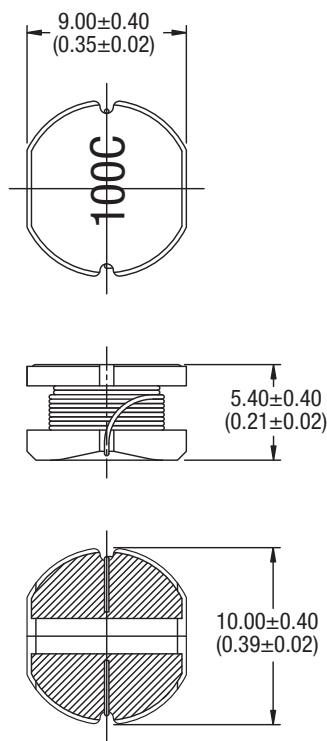
¹ The maximum DC current is the value at which the inductance falls to 80% of its nominal value or when its temperature rise reaches 40°C, whichever is sooner.

² For further information, please visit www.murata-ps.com/rohs

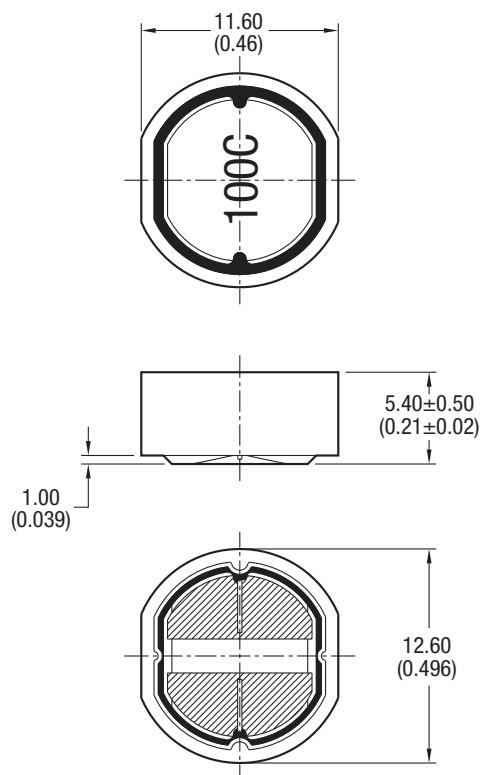


MECHANICAL DIMENSIONS

UNSHIELDED TYPES



SHIELDED TYPES

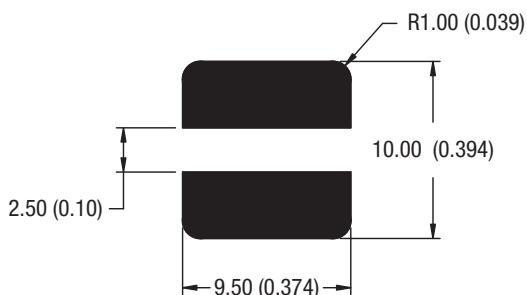


Unless otherwise stated all dimensions in mm (inches) ± 0.25 (0.01).

Package Weight 1.54g Typ.

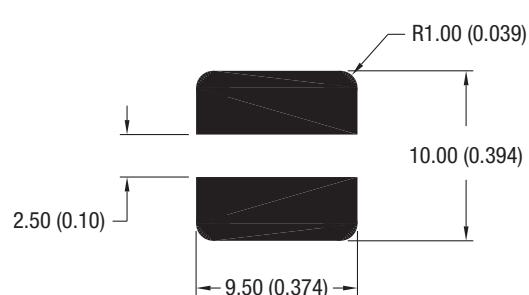
Package Weight 2.34g Typ.

RECOMMENDED FOOTPRINT



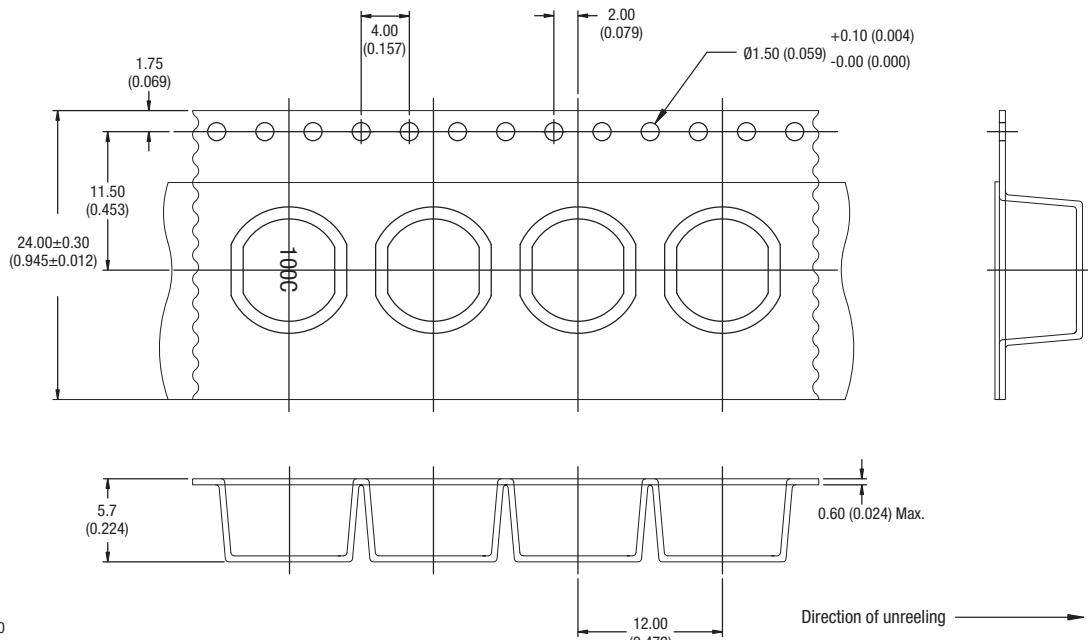
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RECOMMENDED FOOTPRINT

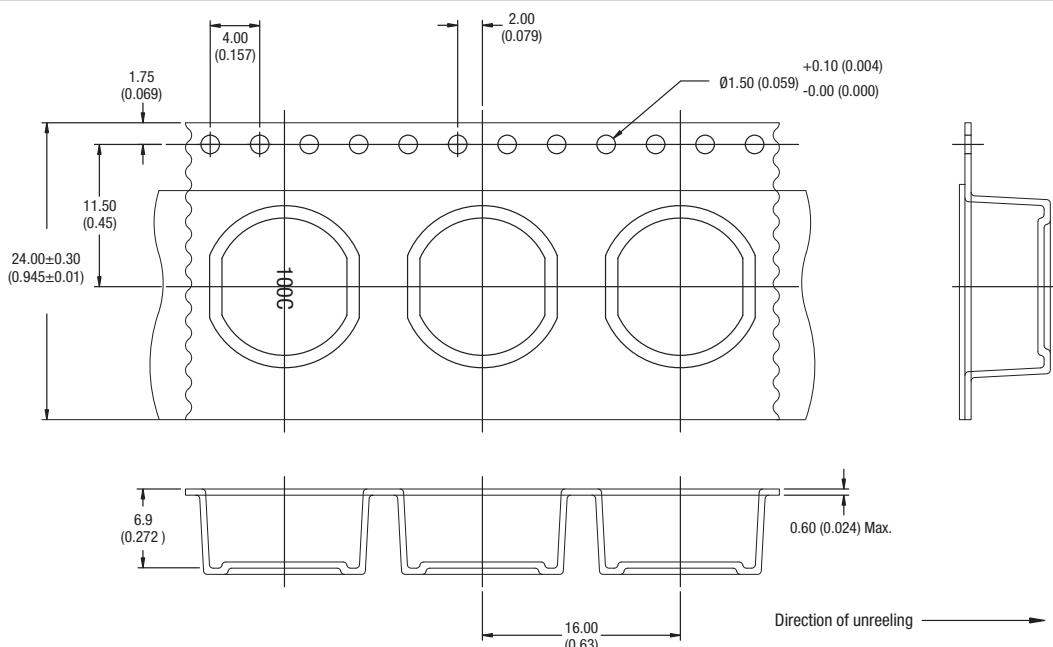


TAPE & REEL SPECIFICATIONS

TAPE OUTLINE DIMENSIONS - UNSHIELDED PARTS

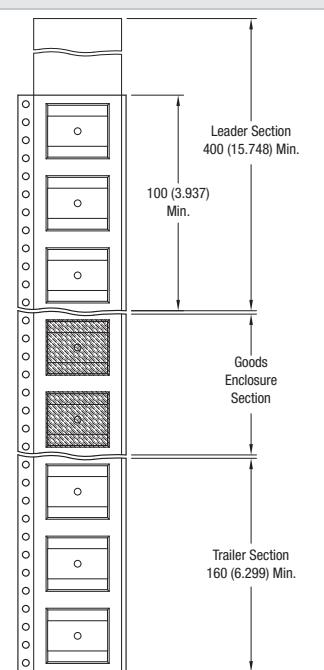
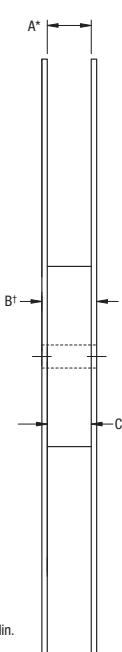
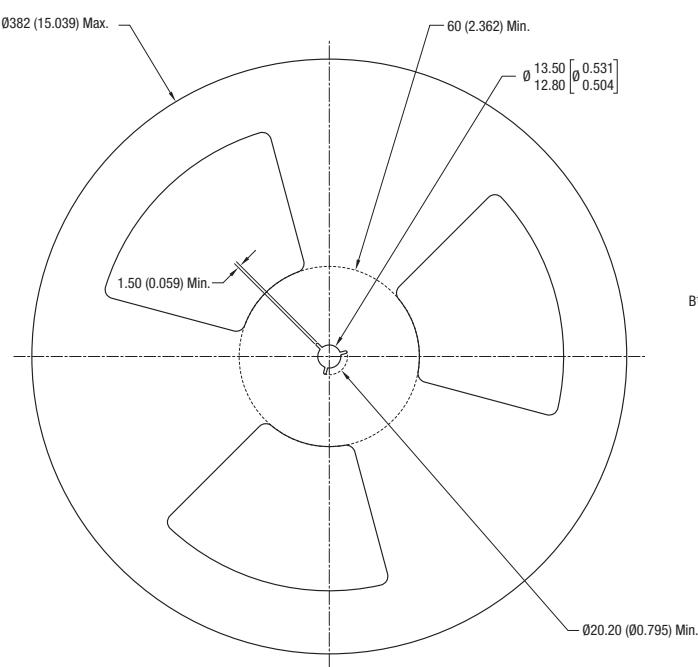


TAPE OUTLINE DIMENSIONS - SHIELDED PARTS



TAPE & REEL SPECIFICATIONS (Continued)

REEL OUTLINE DIMENSIONS



All dimension in mm [inches]

* Includes flange distortion at outer edge

† Measured at hub

	A	B (Max.)	C
Unshielded Types	23.9-27.4 (0.94-1.08)	30.4 (1.197)	24.4-26.4 (0.96-1.04)
Shielded Types	23.9-27.4 (0.94-1.08)	30.4 (1.197)	24.4-26.4 (0.96-1.04)

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- Traffic signal equipment
- Disaster prevention / crime prevention equipment
- Data Processing equipment

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