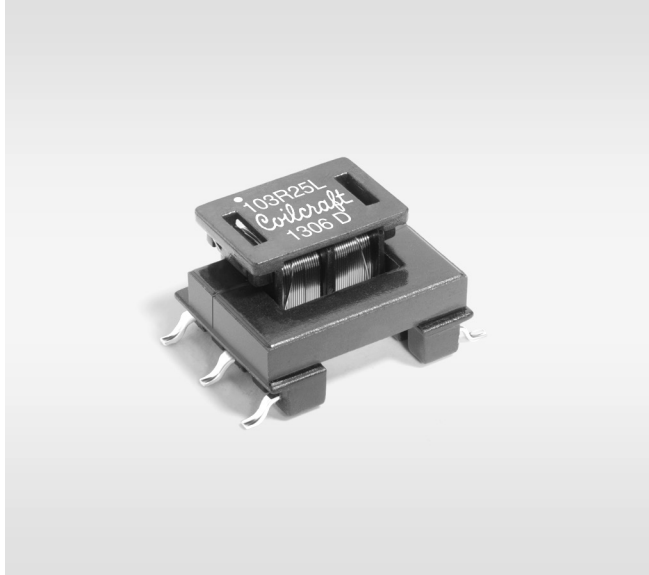




SMT Common Mode Chokes – SBU9



- Low profile, surface mount design
- Ideal for switching power supplies
- Eliminates most line conducted common mode noise.
- Provides significant attenuation of common mode noise across a broad range of frequencies.

Core material Ferrite

Terminations RoHS compliant tin-silver over copper.

Weight 2.4 – 2.7 g

Ambient temperature –40°C to +125°C

Storage temperature Component: –40°C to +125°C.

Tape and reel packaging: –40°C to +80°C

Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

Failures in Time (FIT) / Mean Time Between Failures (MTBF)

38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332

Packaging 350/13" reel; Plastic tape: 32 mm wide, 0.5 mm thick, 20 mm pocket spacing, 8.5 mm pocket depth

PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See [Doc787_PCB_Washing.pdf](#).

Part number ¹	Common mode peak impedance (kOhms)	Inductance ² min (mH)	Irms ³ (A)	DCR max ⁴ (Ohms)	Isolation ⁵ (Vrms)
SBU9-103R25L_	94.40 @ 230 kHz	10	0.25	2.5	1500
SBU9-2820R5L_	26.31 @ 570 kHz	2.8	0.50	0.70	1500
SBU9-1320R7L_	12.68 @ 900 kHz	1.3	0.70	0.38	1500
SBU9-6011R0L_	6.66 @ 1300 kHz	0.6	1.00	0.20	1500

1. When ordering, please specify **packaging** code:

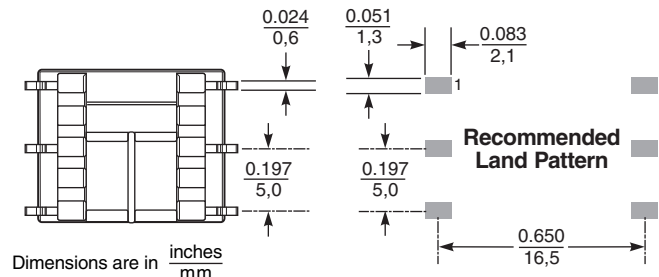
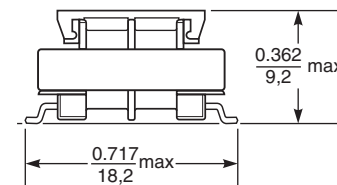
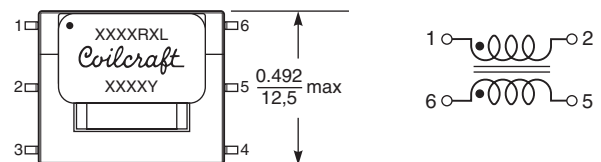
SBU9-6011R0LD

Packaging: D = 13" machine-ready reel. EIA-481 embossed plastic tape 350 parts per full reel).

B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter D instead.

- Inductance tested at 1 kHz, 1 Vrms, 0 Adc on an Agilent/HP 4284A LCR-meter or equivalent.
- Current per winding that causes a 40°C rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
- DCR is specified per winding.
- Isolation (hipot) measured with 3 mA applied for two seconds.
- Electrical specifications at 25°C.

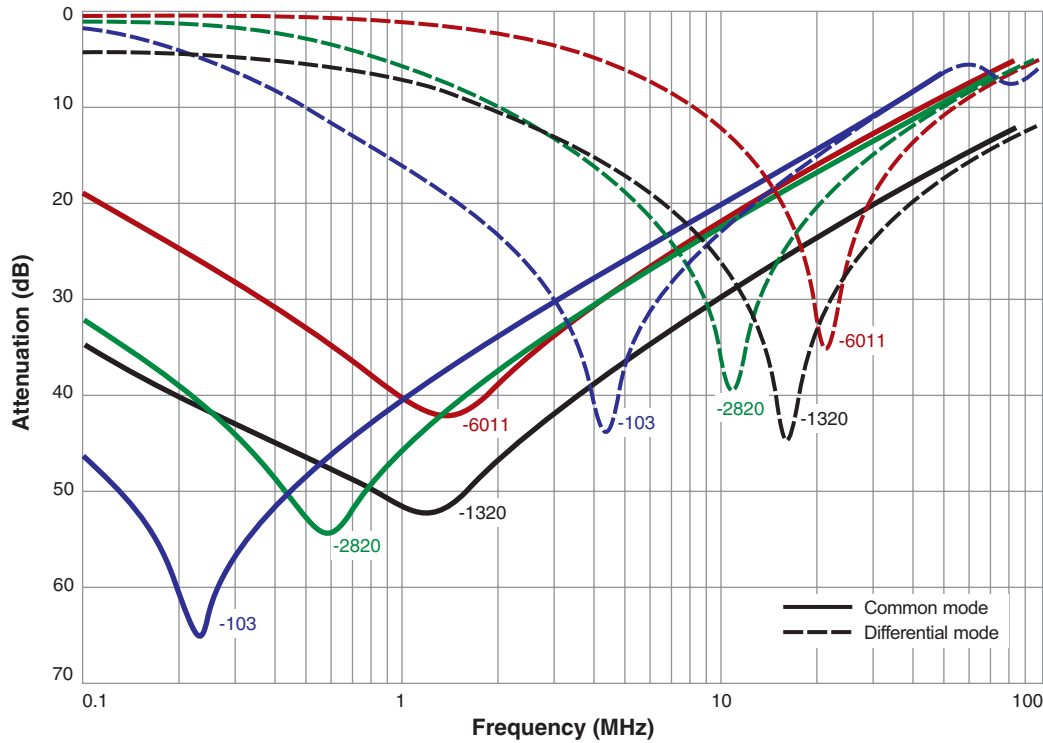
Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



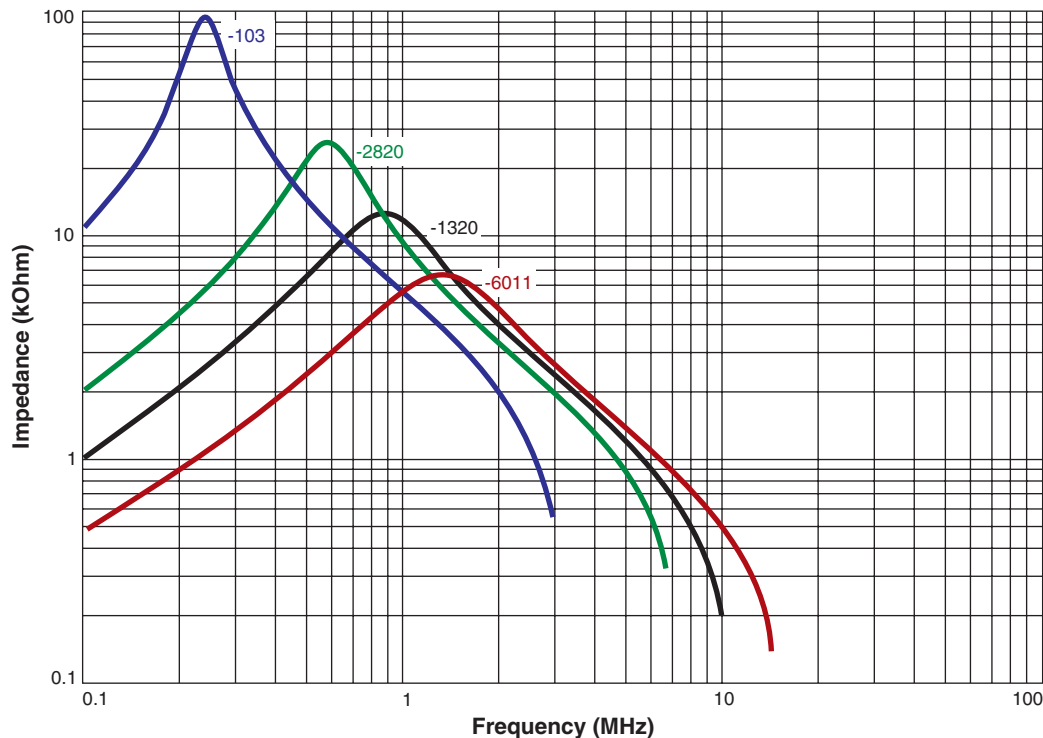


Common Mode Chokes – SBU9 Series

Typical Attenuation (Ref 50 Ohms)



Typical Impedance



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