



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)

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:

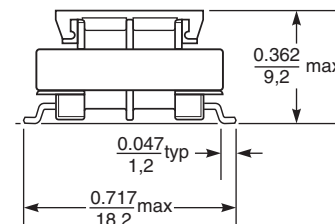
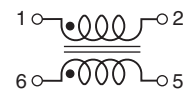
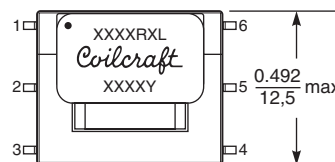
SBU9-6011R0LD

Packaging: **D** = 13" machine-ready reel. EIA-481 embossed plastic tape 350 parts per full reel. Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).

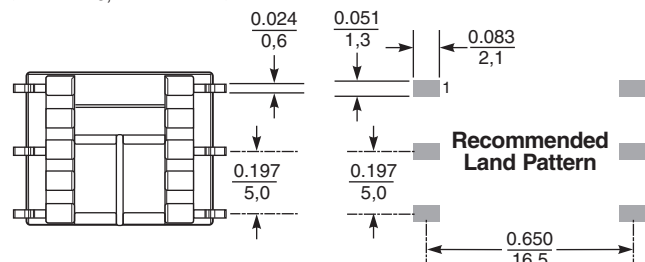
B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

- 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.



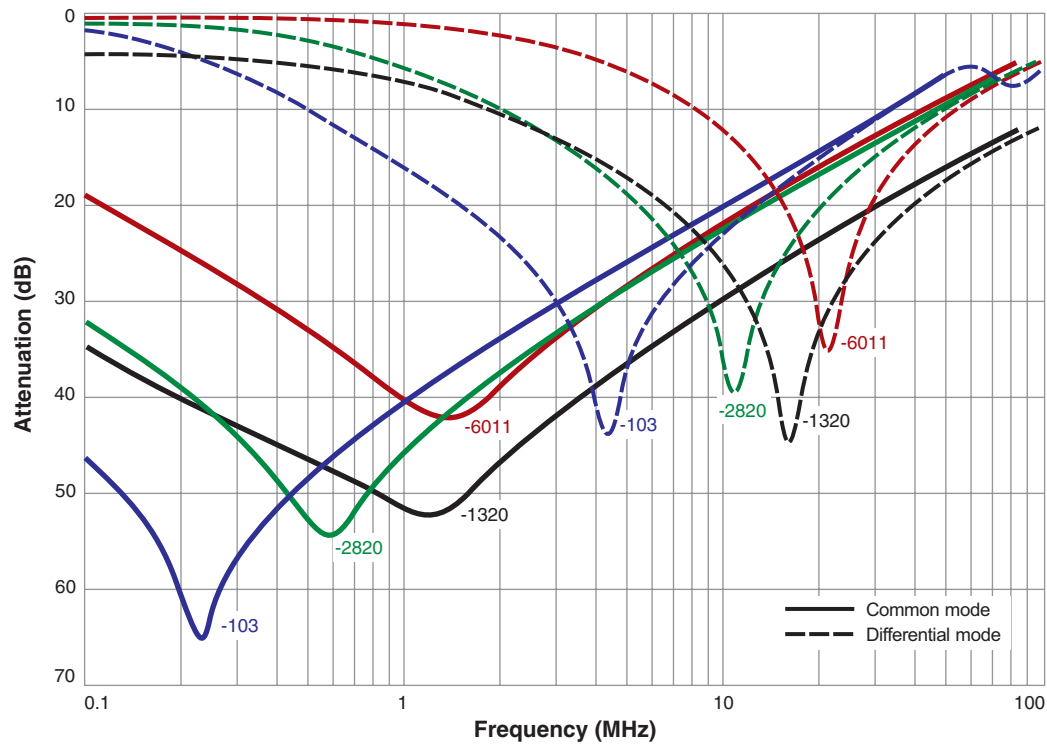
Dimensions are in $\frac{\text{inches}}{\text{mm}}$



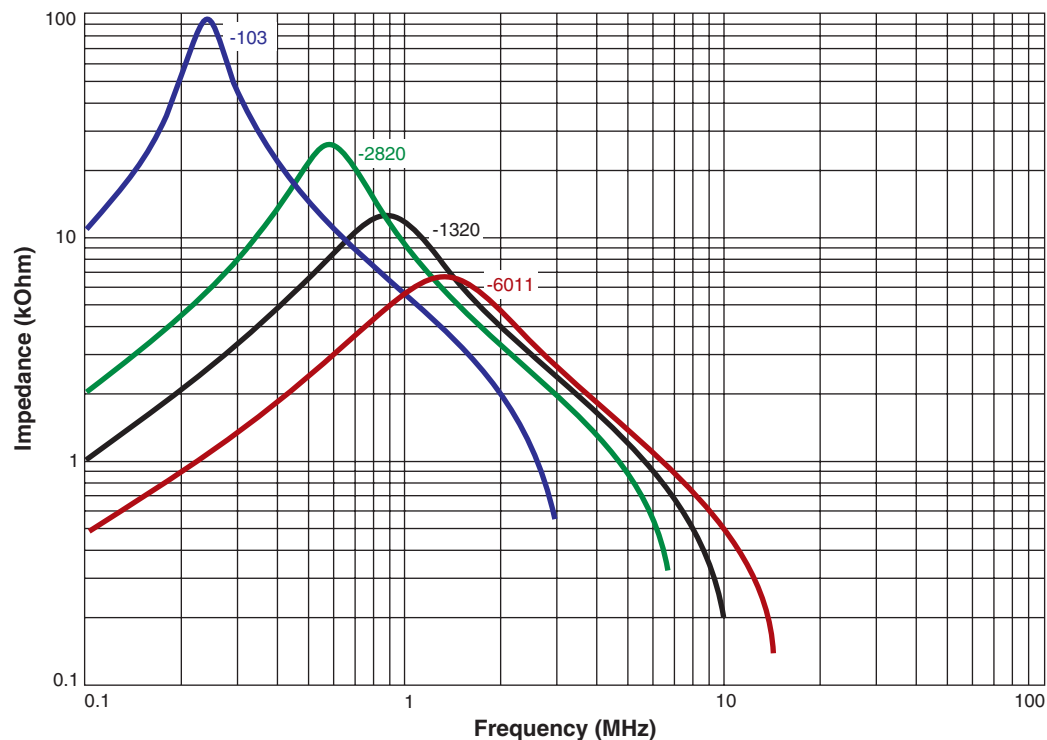


Common Mode Chokes – SBU9 Series

Typical Attenuation (Ref 50 Ohms)



Typical Impedance



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