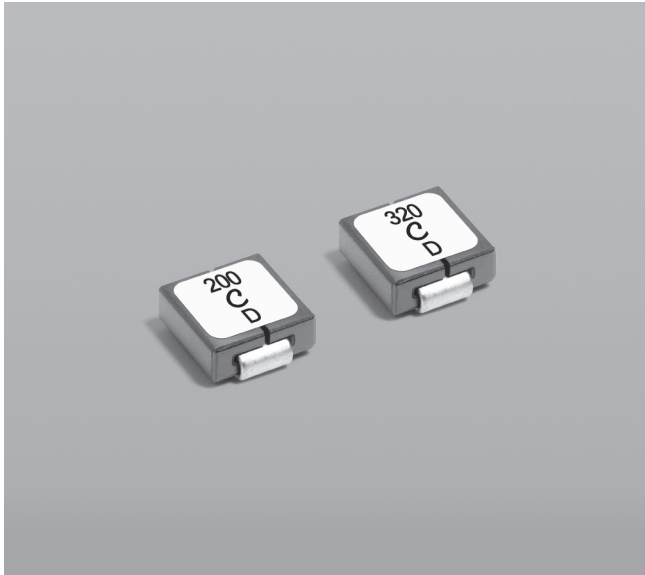


**NEW!**

# High Current Ferrite Beads – SLZ7030



- Wirewound surface mount package
- High current ferrite beads designed for high frequency EMI noise cancellation
- Optimized for CISPR 25 EMC compliance, 30 MHz to 3 GHz
- AEC-Q200 Qualified

**Core material** Ferrite

**Environmental** RoHS compliant, halogen free

**Terminations** RoHS compliant matte tin over nickel over copper.

**Weight** 0.46 – 0.47 g

**Ambient temperature** –40°C to +125°C with (40°C rise) Irms current.

**Maximum part temperature** +165°C (ambient + temp rise). [Derating.](#)

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

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

**Resistance to soldering heat** Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

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

**Packaging** 500/7" reel; 1700/13" reel; Plastic tape : 16 mm wide, 0.33 mm thick, 12 mm pocket spacing, 3.12 mm pocket depth

**PCB washing** Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See [Doc787\\_PCB\\_Washing.pdf](#).

Part number <sup>1</sup>	Impedance typ (Ohms)		Inductance <sup>2</sup> ±20% (nH)	DCR ±10% <sup>3</sup> (mOhms)	Isat <sup>4</sup> (A)	Irms (A) <sup>5</sup>	
	100 MHz	1 GHz				20°C rise	40°C rise
SLZ7030-200MEC	20	66	40	0.123	34	54	74
SLZ7030-320MEC	32	64	80	0.123	16	54	74

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

**SLZ7030-320MEC**

**Packaging:** **C** = 7" machine-ready reel. EIA-481 embossed plastic tape (500 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).

**D** = 13" machine-ready reel. EIA-481 embossed plastic tape. Factory order only, not stocked (1700 parts per full reel).

2. Inductance tested at 100 kHz, 0.1 Vrms, 0 Adc.

3. DCR is measured on a micro-ohmmeter at points indicated in the diagram below.



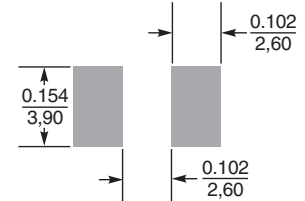
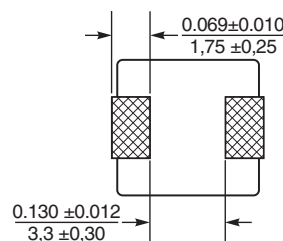
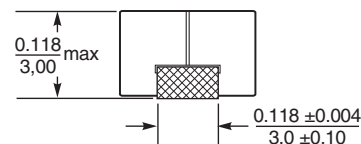
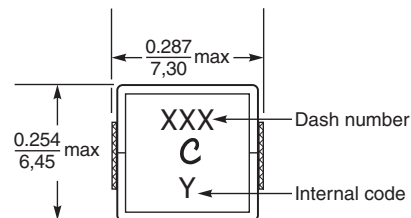
▲ Points used for measuring DCR

4. DC current that causes an inductance drop of 20% (typ) from its value without current. [Click for temperature derating information.](#)

5. Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings. Temperature rise is highly dependent on many factors including pcb land pattern, trace size, air flow, and proximity to other components. Therefore temperature rise should be verified in application conditions. [Click for temperature derating information.](#)

6. Electrical specifications at 25°C.

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



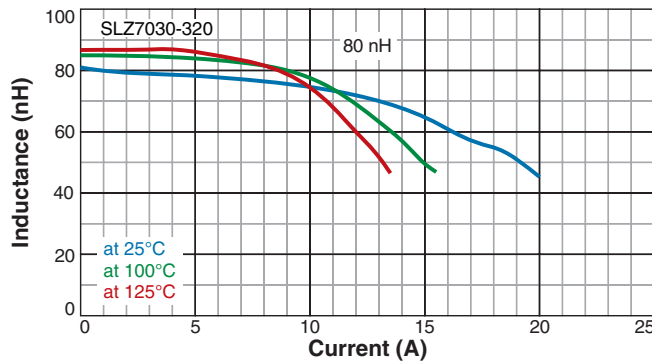
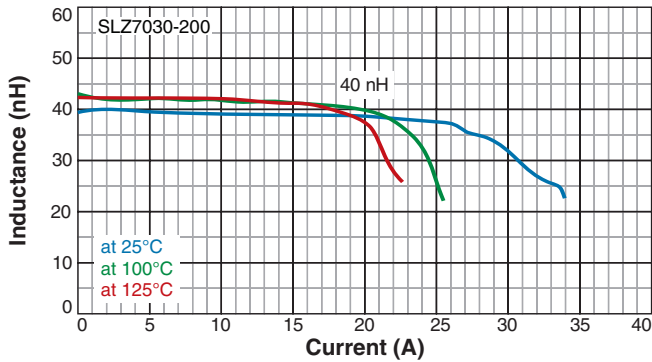
Dimensions are in inches / mm

**Recommended Land Pattern**

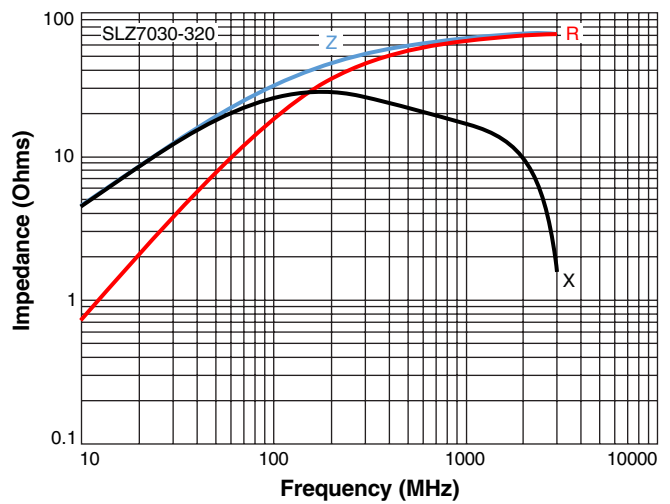
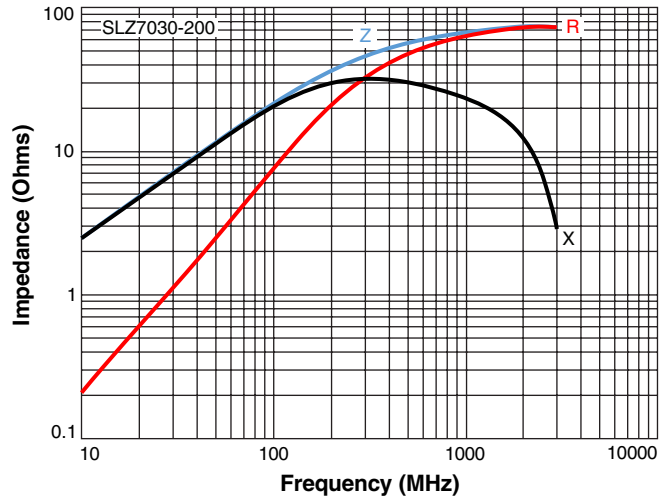


# SLZ7030 High Current Ferrite Beads

## L vs Current vs Temperature



## Impedance vs Frequency



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



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