



# CSD1013B

## Digital D-Class Power Amplifier Inductor

### FEATURES

- Magnetic shielded structure: excellent resistance to electromagnetic interference(EMI).
- Assemblage design, sturdy structure.
- Small volume, high current, low magnetic loss, low ESR, small parasitic capacitance.
- High temperature wire, closed magnetic circuit, ultra low buzz noise.
- Operating temperature : -40°C ~ +125°C (Including coil's temperature rise).

Part No.	Dimension(mm)			Inductance ( $\mu$ H)	DCR(m $\Omega$ )		Saturation Current (A)	Temperature rise current (A)
	Length	Width	Height		Typical	Max		
CSD1013B-4R7M	13.0	10.5	10.5	4.70	12.4	15.2	16.0	6.50
CSD1013B-6R8M	13.0	10.5	10.5	6.80	12.4	15.2	11.0	6.50
CSD1013B-8R2M	13.0	10.5	10.5	8.20	13.1	16.5	10.0	5.80
CSD1013B-100M	13.0	10.5	10.5	10.0	19.5	24.0	8.60	5.00
CSD1013B-120M	13.0	10.5	10.5	12.0	19.5	24.0	7.30	5.00
CSD1013B-150M	13.0	10.5	10.5	15.0	19.5	24.0	5.70	5.00
CSD1013B-180M	13.0	10.5	10.5	18.0	19.5	24.0	4.60	5.00
CSD1013B-220M	13.0	10.5	10.5	22.0	19.5	24.0	3.50	5.00

