

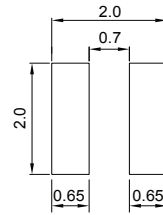
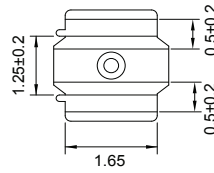
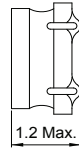
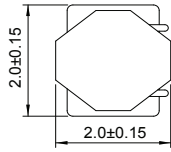
CSCD2012D Series (SHIELDED)

■ SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS



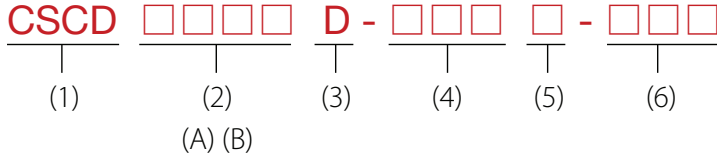
CSCD2012D



Recommended Patterns

unit: mm

PART NUMBER KEY



- (1) Product Symbol: Wire Wound Chip Power Inductors
- (2) Dimensions: Length (A) × Width (B)
- (3) Terminal Type
- (4) Inductance
- (5) Tolerance
- (6) Internal code

ELECTRICAL SPECIFICATION

Part Number	Inductance (μH)	Inductance Tolerance	DCR (Ω) Max.	Rated Current (mA) Max.		Test Freq. (MHz)
				Saturation Current Idc1	Temperature Rise Current Idc2	
CSCD2012D-R47M-LRH	0.47	±20%	0.046	4200	2300	1
CSCD2012D-R68M-LRH	0.68	±20%	0.058	3500	2000	1
CSCD2012D-1R0M-LRH	1.0	±20%	0.064	2550	1900	1
CSCD2012D-1R5M-LRH	1.5	±20%	0.086	2000	1650	1
CSCD2012D-2R2M-LRH	2.2	±20%	0.109	1750	1450	1
CSCD2012D-3R3M-LRH	3.3	±20%	0.178	1350	1150	1
CSCD2012D-4R7M-LRH	4.7	±20%	0.242	1150	950	1

- Inductance tolerance: M= ±20%
- Operating Temperature Range: -40°C to +105°C
- Storage Temperature Range: -40°C to +85°C
- Inductance using the HP4285A
- DCR measured using the 16502 milli-ohm meter
- Saturation Current Idc1: The value of current causes a 30% inductance reduction from initial value. (at Ta: 20°C)
- Temperature rise current Idc2: The value of current causes a 40°C temperature rise. (at Ta: 20°C)
- Rated Current: Either Idc1 or Idc2 whichever is smaller.
- MSL: Level 1

CHARACTERISTIC CURVE

CSCD2012D Series

