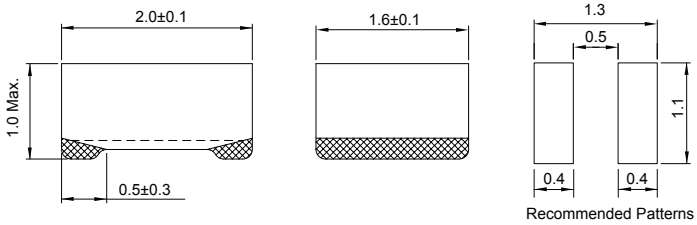
CSCA2016D Series (SHIELDED)

■ SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS

CSCA2016D



unit: mm

PART NUMBER KEY

CSCA □□□□ D - □□□ □ - □□□

(1) (2) (3) (4) (5) (6)

(A) (B)

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

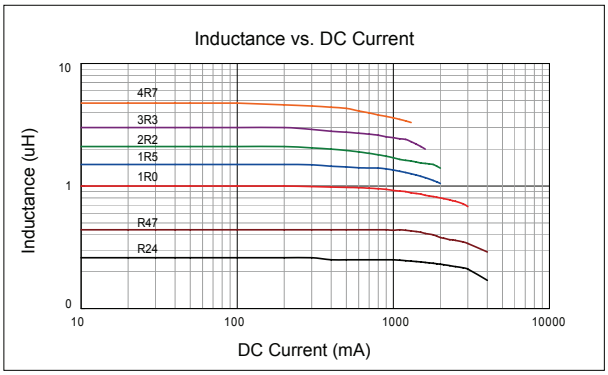
ELECTRICAL SPECIFICATION

Part Number	Inductance (μH)	Inductance Tolerance	DCR (Ω) Max.	Rated Current (mA) Max.		Test Freq. (MHz)
				Saturation Current Idc1	Temperature Rise Current Idc2	
CSCA2016D-R24M-LRH	0.24	±20%	0.042	4200	3000	2
CSCA2016D-R47M-LRH	0.47	±20%	0.046	2800	2800	2
CSCA2016D-1R0M-LRH	1.0	±20%	0.075	2200	2200	2
CSCA2016D-1R5M-LRH	1.5	±20%	0.130	1600	1650	2
CSCA2016D-2R2M-LRH	2.2	±20%	0.160	1500	1500	2
CSCA2016D-3R3M-LRH	3.3	±20%	0.255	1150	1200	2
CSCA2016D-4R7M-LRH	4.7	±20%	0.380	1000	950	2

- Inductance tolerance: M=±20%
- Operating Temperature Range: -40℃ to +105℃
- Storage Temperature Range: -40℃ to +85℃
- 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℃)
- Temperature rise current Idc2: The value of current causes a 40℃ temperature rise. (at Ta: 20℃)
- Rated Current: Either Idc1 or Idc2 whichever is smaller.
- MSL: Level 1

CHARACTERISTIC CURVE

CSCA2016D Series



SMD

Leaded