

► **SMD Common Mode Choke ► SIRH Series**

FEATURES

- SMD construction, and low profile.
- High Impedance and Excellent Frequency Characteristic.
- Self Electromagnetic Shielding.
- Low Magnetic Flux Leakage



APPLICATIONS

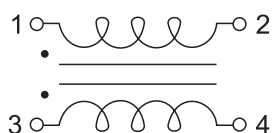
- LED Light, TV game, Monitor, etc. EMI common-mode noise.

PRODUCT IDENTIFICATION

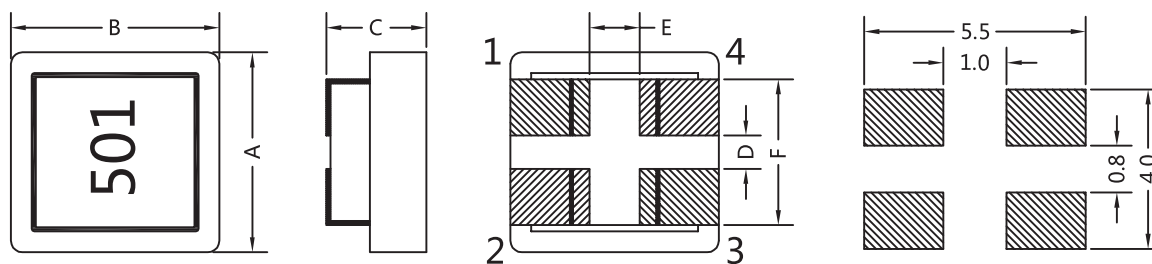
SIRH 5020 - 501 T - 40
a b c d e

- a : Series name
- b : Product dimensions
- c : Impedance Value (100:10; 101: 100)
- d : Packaging style (T: Taping; B: bulk)
- e : Rated Current (02:0.2A; 20:2A;100:10A)

SCHEMATIC



SHAPES AND DIMENSIONS Unit: mm



Series	A	B	C	D	E	F
SIRH5020	4.8±0.2	5.0±0.2	2.5 Max	0.8 Ref	1.0 Ref	3.5 Ref
SIRH5040	4.8±0.2	5.0±0.2	4.5 Max	0.8 Ref	1.0 Ref	3.5 Ref

ELECTRICAL CHARACTERISTICS

Part Number	Z(Ω) Typ at 100MHz	DCR (m Ω) max.	I _{rated} (A)	IR (m Ω) Min	Rated Voltage (V) Max
SIRH5020-101T60	100	13.5	6.0	10	50
SIRH5020-251T50	250	21.0	5.0	10	50
SIRH5020-501T40	500	28.5	4.0	10	50
SIRH5020-102T20	1000	36.0	2.0	10	50
SIRH5020-142T15	1400	60.0	1.5	10	50
SIRH5020-152T15	1500	60.0	1.5	10	50

Part Number	Z(Ω) Typ at 100MHz	DCR (m Ω) max.	I _{rated} (A)	IR (m Ω) Min	Rated Voltage (V) Max
SIRH5040-191T50	190	20	5.0	10	50
SIRH5040-351T20	350	40	2.0	10	50
SIRH5040-102T15	1000	60	1.5	10	50
SIRH5040-152T10	1500	100	1.0	10	50
SIRH5040-302T05	3000	200	0.5	10	50
SIRH5040-402T02	4000	300	0.2	10	50

Note:

I_{rated}: The DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient