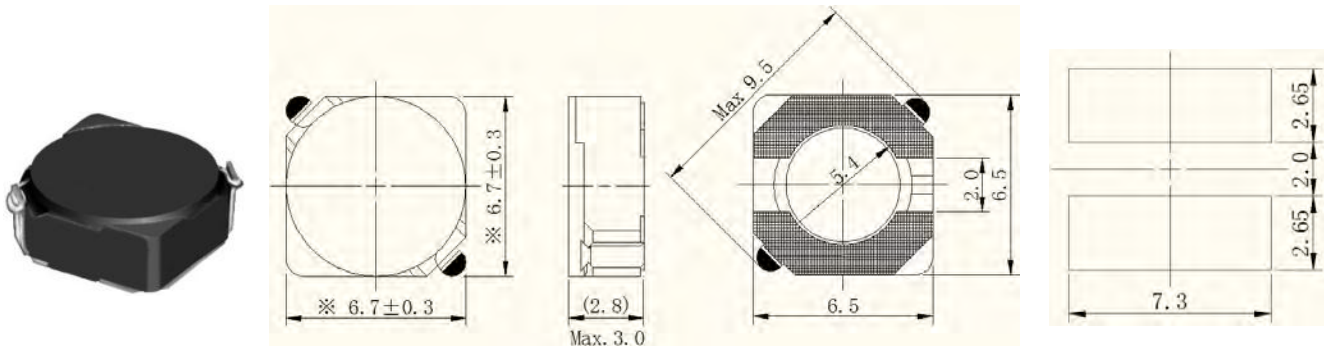


# SDRH6D28

## 1. Dimension (Unit: mm)



## 2. Description

- Ferrite drum core construction.
- Magnetically shielded.
- L×W×H: 7.0×7.0×3.0 mm Max.
- Product weight: 0.44g (Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available

## 3. Environmental Date

- Operating temperature range:  $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$  (including coil's self temperature rise)
- Storage temperature range:  $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$ .
- Solder reflow temperature:  $260^{\circ}\text{C}$  peak.

## 4. Packing

- Carrier tape and reel packaging.
- 13" diameter reel.
- 1500 pcs per reel.

# SDRH6D28

## 5. Electrical Characteristics

Part NO.	Stamp	Inductance ( $\mu\text{H}$ ) ※1	D.C.R. ( $\text{m}\Omega$ ) (at 20°C) [Max.] (Typ.)	Rated Current (A)※2
SDRH6D28-3R0N	3R0	3.0±30%	24 (18)	3.00
SDRH6D28-3R9N	3R9	3.9±30%	27 (20)	2.60
SDRH6D28-4R7N	4R7	4.7±30%	30 (22)	2.40
SDRH6D28-5R0N	5R0	5.0±30%	31 (23)	2.30
SDRH6D28-6R0N	6R0	6.0±30%	35 (26)	2.25
SDRH6D28-7R3N	7R3	7.3±30%	54 (40)	2.10
SDRH6D28-8R6N	8R6	8.6±30%	58 (43)	1.85
SDRH6D28-100N	100	10±30%	65 (48)	1.70
SDRH6D28-120N	120	12±30%	70 (52)	1.55
SDRH6D28-150N	150	15±30%	84 (62)	1.40
SDRH6D28-180N	180	18±30%	95 (70)	1.32
SDRH6D28-220N	220	22±30%	128 (95)	1.20
SDRH6D28-270N	270	27±30%	142(105)	1.05
SDRH6D28-330N	330	33±30%	165(122)	0.97
SDRH6D28-390N	390	39±30%	210(156)	0.86
SDRH6D28-470N	470	47±30%	238(176)	0.80
SDRH6D28-560N	560	56±30%	277(205)	0.73
SDRH6D28-680N	680	68±30%	304(225)	0.65
SDRH6D28-820N	820	82±30%	390(290)	0.60
SDRH6D28-101N	101	100±30%	535(397)	0.54

※ 1. Inductance measuring condition: at 100 kHz.

※ 2. Rated current: The DC current at which the inductance decreases to 65% of it's nominal value or when  $\Delta t=30^\circ\text{C}$ , whichever is lower ( $T_a=20^\circ\text{C}$ ).