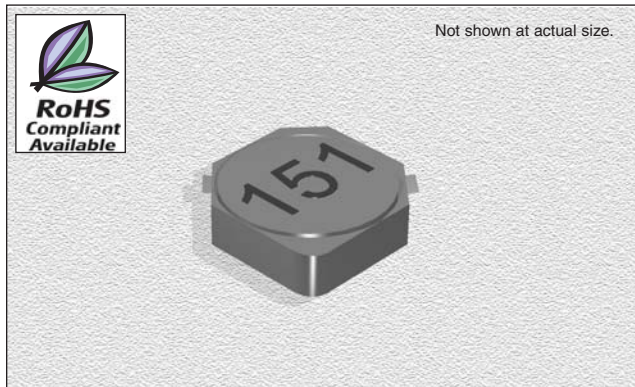


CTCDRH6D28 Series

From 3.0 μH to 150 μH



CHARACTERISTICS

Description: SMD (shielded) power inductor

Applications: Power supplies for VTR, OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters, etc.

Operating Temperature: -40°C to +80°C

Storage Temperature: -40°C to +80°C

Inductance Tolerance: $\pm 30\%$

Testing: Tested on a HP4284A at 10 KHz, 0.25Vrms, 0Adc

Packaging: Tape & Reel

Marking: Parts are marked with inductance code

Rated DC Current: Indicates the current when the inductance decreases to 65% of its initial value or D.C. current when the temperature of coil is increased by 30% the smaller one is defined as rated current.

Miscellaneous: RoHS Compliant available

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

SPECIFICATIONS

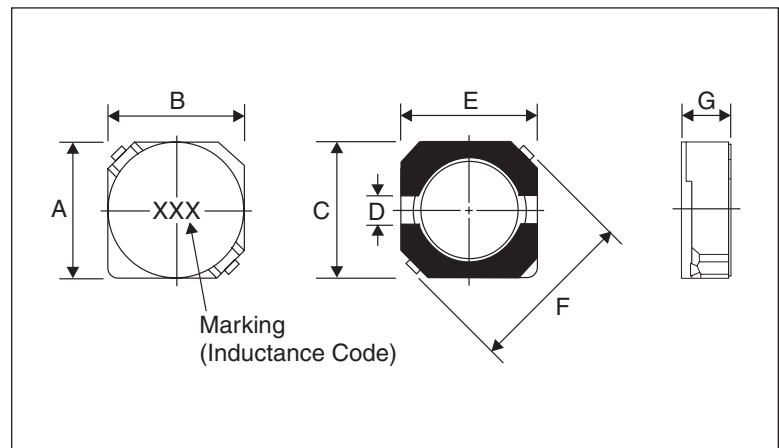
Parts are available in $\pm 30\%$ tolerance only.

CTCDRH6D28E Please specify "F" for RoHS Compliant

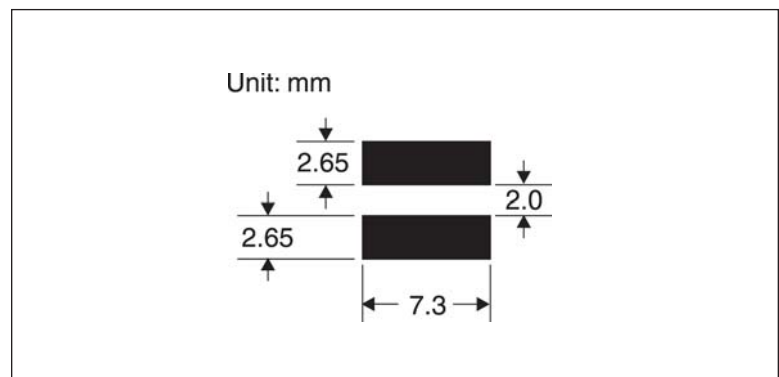
Part Number	Inductance ($\mu\text{H} \pm 30\%$)	L Test Freq. (kHz)	DCR Max. (m Ω)	Rated DC Current (A)
CTCDRH6D28_-3R0N	3.0	10	24	3.00
CTCDRH6D28_-3R3N	3.3	10	24	3.00
CTCDRH6D28_-3R9N	3.9	10	27	2.60
CTCDRH6D28_-5R0N	5.0	10	31	2.40
CTCDRH6D28_-6R0N	6.0	10	35	2.25
CTCDRH6D28_-7R3N	7.3	10	54	2.10
CTCDRH6D28_-8R6N	8.6	10	58	1.85
CTCDRH6D28_-100N	10	10	65	1.70
CTCDRH6D28_-120N	12	10	70	1.55
CTCDRH6D28_-150N	15	10	84	1.40
CTCDRH6D28_-180N	18	10	95	1.32
CTCDRH6D28_-220N	22	10	128	1.20
CTCDRH6D28_-270N	27	10	142	1.05
CTCDRH6D28_-330N	33	10	165	0.97
CTCDRH6D28_-390N	39	10	210	0.86
CTCDRH6D28_-470N	47	10	238	0.80
CTCDRH6D28_-560N	56	10	277	0.73
CTCDRH6D28_-680N	68	10	304	0.65
CTCDRH6D28_-820N	82	10	390	0.60
CTCDRH6D28_-101N	100	10	535	0.54
CTCDRH6D28_-121N	120	10	580	0.45
CTCDRH6D28_-151N	150	10	615	0.42

PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F Max.	G Max.
mm	6.7 ± 0.3	6.7 ± 0.3	6.5	2.0	6.5	9.5	3.0
inches	0.26 ± 0.01	0.26 ± 0.01	0.255	0.08	0.255	0.37	0.12



PAD LAYOUT



03.19.07