





## TLCDRH5D28R

### Electrical specification

Part Number	Marking	Inductance ( $\mu$ H) 100kHz/1V	D.C.R. (m $\Omega$ ) [Max.] (Typ.) (at 20°C)	Rated current (A) 1-1*
TLCDRH5D28RNP-2R5N□	2R5	2.5 $\pm$ 30%	17.6(13)	2.60
TLCDRH5D28RNP-3R3N□	3R3	3.3 $\pm$ 30%	20.3(15)	2.30
TLCDRH5D28RNP-4R0N□	4R0	4.0 $\pm$ 30%	27.0(20)	2.10
TLCDRH5D28RNP-5R0N□	5R0	5.0 $\pm$ 30%	31.1(23)	1.85
TLCDRH5D28RNP-6R0N□	6R0	6.0 $\pm$ 30%	41.9(31)	1.70
TLCDRH5D28RNP-8R0N□	8R0	8.0 $\pm$ 30%	49.9(37)	1.50
TLCDRH5D28RNP-100N□	100	10 $\pm$ 30%	54.0(40)	1.30
TLCDRH5D28RNP-120N□	120	12 $\pm$ 30%	71.6(53)	1.20
TLCDRH5D28RNP-150N□	150	15 $\pm$ 30%	82.4(61)	1.10
TLCDRH5D28RNP-180N□	180	18 $\pm$ 30%	101.5(75)	1.05
TLCDRH5D28RNP-220N□	220	22 $\pm$ 30%	119.0(88)	0.95
TLCDRH5D28RNP-270N□	270	27 $\pm$ 30%	146.0(108)	0.85
TLCDRH5D28RNP-330N□	330	33 $\pm$ 30%	182.5(135)	0.76
TLCDRH5D28RNP-390N□	390	39 $\pm$ 30%	209.5(155)	0.68
TLCDRH5D28RNP-470N□	470	47 $\pm$ 30%	229.5(170)	0.60
TLCDRH5D28RNP-560N□	560	56 $\pm$ 30%	305.0(226)	0.55
TLCDRH5D28RNP-680N□	680	68 $\pm$ 30%	351.0(260)	0.48
TLCDRH5D28RNP-820N□	820	82 $\pm$ 30%	418.5(310)	0.45
TLCDRH5D28RNP-101N□	101	100 $\pm$ 30%	520.0(385)	0.40

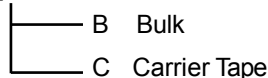
## TLCDRH5D28R/HP

### Electrical Specification

Part Number	Marking	Inductance ( $\mu$ H) 100kHz/1V	D.C.R.(m $\Omega$ ) [Max.](Typ.) (at 20°C)	Saturation Current (A) 1-2*		Temperature Rise current (A) 2*
				(20°C)	(105°C)	
TLCDRH5D28RHPNP-2R2N	2R2	2.2 $\pm$ 25%	24.8(19.8)	5.50	4.50	3.80
TLCDRH5D28RHPNP-3R0N	3R0	3.0 $\pm$ 25%	31.8(25.4)	4.70	3.90	3.35
TLCDRH5D28RHPNP-4R7N	4R7	4.7 $\pm$ 25%	43.1(34.5)	3.70	3.05	2.80
TLCDRH5D28RHPNP-5R6N	5R6	5.6 $\pm$ 25%	47.9(38.3)	3.30	2.65	2.70
TLCDRH5D28RHPNP-6R8N	6R8	6.8 $\pm$ 25%	61.3(49.0)	3.10	2.55	2.50
TLCDRH5D28RHPNP-8R2N	8R2	8.2 $\pm$ 25%	88.4(70.7)	2.70	2.30	1.90
TLCDRH5D28RHPNP-10 $\emptyset$ M	100	10.0 $\pm$ 20%	93.0(74.4)	2.45	2.05	1.85
TLCDRH5D28RHPNP-12 $\emptyset$ M	120	12.0 $\pm$ 20%	115(92.1)	2.30	2.00	1.60
TLCDRH5D28RHPNP-15 $\emptyset$ M	150	15.0 $\pm$ 20%	144(115)	2.05	1.65	1.40
TLCDRH5D28RHPNP-18 $\emptyset$ M	180	18.0 $\pm$ 20%	161(128)	1.90	1.55	1.35
TLCDRH5D28RHPNP-22 $\emptyset$ M	220	22.0 $\pm$ 20%	213(171)	1.75	1.42	1.20
TLCDRH5D28RHPNP-27 $\emptyset$ M	270	27.0 $\pm$ 20%	277(221)	1.60	1.30	1.00
TLCDRH5D28RHPNP-33 $\emptyset$ M	330	33.0 $\pm$ 20%	314(251)	1.35	1.10	0.90
TLCDRH5D28RHPNP-47 $\emptyset$ M	470	47.0 $\pm$ 20%	379(303)	1.20	1.00	0.85

### Description

TLCDRH5D28RHPNP-18 $\emptyset$ M□


  
 B Bulk  
 C Carrier Tape

\*1-1. Rated current: The DC current at which the inductance decreases to 65 % of it' s nominal value or when  $\Delta t=30^{\circ}\text{C}$ (TLCDRH5D28)or $\Delta t=40^{\circ}\text{C}$ (TLCDRH5D28R), whichever is lower( $T_a=20^{\circ}\text{C}$ ).

\*1-2. Saturation current: The DC current at which the inductance decreases to 65% of it's nominal value.

\*2. Temperature rise current: The DC current at which the temperature rise is  $\Delta t=40^{\circ}\text{C}$ .( $T_a=20^{\circ}\text{C}$ ).