■ OUTLINE

The followings are low inductance and strong current choke coils used in DC-DC converters.

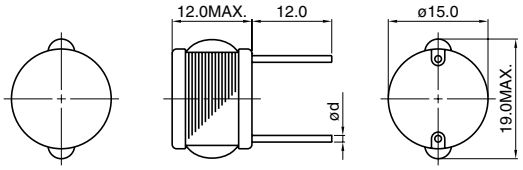
MCDR series

MCDR1511

DIMENSIONS(mm)

CONSTRUCTION

(47μH – 1.5mH)

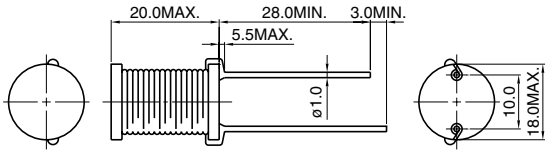


MCDR1419

DIMENSIONS(mm)

CONSTRUCTION

(22μH – 1.0mH)



■ SPECIFICATIONS

( ) Typical ✻Measuring frequency of Inductance 1kHz

Parts No.	Stamp	Inductance (Max.)	D.C.R.(Ω):Max.	Rated Current	ød (mm)
MCDR1511 – 470M	470M	47μH ± 20%	60m	3.5	1.6 ± 0.3
MCDR1511 – 680K	680K	68μH ± 10%	80m	3.0	1.4 ± 0.3
MCDR1511 – 101K	101K	100μH ± 10%	100m	3.0	1.4 ± 0.3
MCDR1511 – 151K	151K	150μH ± 10%	160m	2.0	1.2 ± 0.3
MCDR1511 – 221K	221K	220μH ± 10%	260m	1.5	1.0 ± 0.3
MCDR1511 – 331K	331K	330μH ± 10%	320m	1.5	1.0 ± 0.3
MCDR1511 – 471K	471K	470μH ± 10%	430m	1.0	0.9 ± 0.2
MCDR1511 – 681K	681K	680μH ± 10%	660m	800m	0.8 ± 0.2
MCDR1511 – 102K	102K	1.0mH ± 10%	1.04	700m	0.7 ± 0.2
MCDR1511 – 152K	152K	1.5mH ± 10%	1.61	600m	0.64 ± 0.2

Parts No.	Stamp	Inductance (Max.)	D.C.R.(Ω):Max.	Rated Current
MCDR1419 – 220M	220M	22μH ± 20%	30m	5.7
MCDR1419 – 270M	270M	27μH ± 20%	33m	5.0
MCDR1419 – 330K	330K	33μH ± 10%	35m	4.8
MCDR1419 – 390K	390K	39μH ± 10%	38m	4.5
MCDR1419 – 470K	470K	47μH ± 10%	44m	4.2
MCDR1419 – 560K	560K	56μH ± 10%	48m	4.0
MCDR1419 – 680K	680K	68μH ± 10%	55m	3.8
MCDR1419 – 820K	820K	82μH ± 10%	66m	3.5
MCDR1419 – 101K	101K	100μH ± 10%	82m	3.2
MCDR1419 – 121K	121K	120μH ± 10%	98m	3.0
MCDR1419 – 151K	151K	150μH ± 10%	110m	2.7
MCDR1419 – 181K	181K	180μH ± 10%	130m	2.5
MCDR1419 – 221K	221K	220μH ± 10%	160m	2.3
MCDR1419 – 271K	271K	270μH ± 10%	190m	2.0
MCDR1419 – 331K	331K	330μH ± 10%	260m	1.8
MCDR1419 – 391K	391K	390μH ± 10%	290m	1.7
MCDR1419 – 471K	471K	470μH ± 10%	330m	1.5
MCDR1419 – 561K	561K	560μH ± 10%	410m	1.4
MCDR1419 – 681K	681K	680μH ± 10%	460m	1.3
MCDR1419 – 821K	821K	820μH ± 10%	630m	1.1
MCDR1419 – 102K	102K	1.0mH ± 10%	710m	1.0

Rated Current

✻1 It is either the inductance is 10% lower than its initial value in D.C. saturation characteristics or temperature raise becomes ΔT=40℃(Ta=20℃), whichever is lower.