

MDCA Series

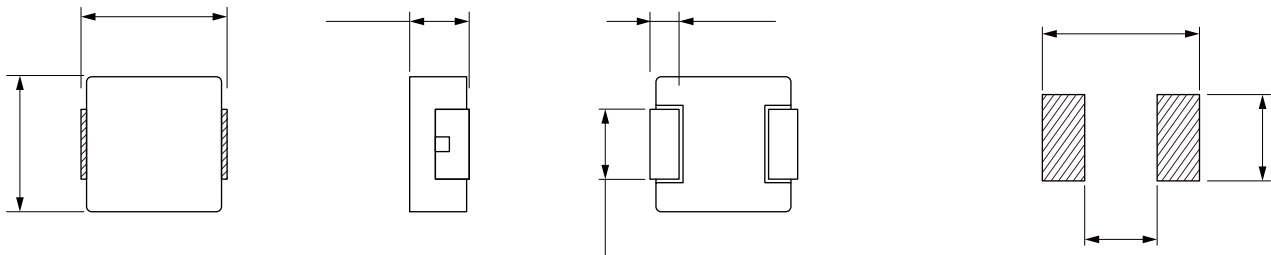
FEATUERS

- Carbonyl Powder.
- Compact design.
- High current , low DCR , high efficiency.
- Very low acoustic noise and very low leakage flux noise.
- High reliability.
- 100% Lead(Pb)-Free and RoHS compliant.
- AEC-Q200 qualified
- Operating temperature: -55 to +125 °C (including self-temperature rise)
- Quantity:3000pcs



APPLICATION

- Note PC power system , incl. IMVP-6
- DC/DC converter



Part No	Inductance @ 100KHz/1V (μ H)	Tolerance	Temperature Rise Current Typ. (A)	Saturation Current Typ. (A)	DC Resistance Typ. (m Ω)	DC Resistance Max. (m Ω)
MDCA3020-R10N	0.10	$\pm 30\%$	10.5	14.0	6.6	9.0
MDCA3020-R22N	0.22	$\pm 30\%$	9.0	11.2	11.0	14.0
MDCA3020-R33M	0.33	$\pm 20\%$	8.0	10.0	17.0	21.0
MDCA3020-R47M	0.47	$\pm 20\%$	7.0	9.0	19.7	23.0
MDCA3020-R68M	0.68	$\pm 20\%$	5.5	7.0	25.5	29.0
MDCA3020-R82M	0.82	$\pm 20\%$	4.8	6.0	27.0	32.0
MDCA3020-1R0M	1.00	$\pm 20\%$	4.0	5.0	32.0	38.0
MDCA3020-1R5M	1.50	$\pm 20\%$	3.8	4.0	42.0	50.0
MDCA3020-2R2M	2.20	$\pm 20\%$	3.5	3.7	65.0	75.0
MDCA3020-3R3M	3.30	$\pm 20\%$	3.0	3.5	125	145
MDCA3020-4R7M	4.70	$\pm 20\%$	2.6	3.0	172	200
MDCA3020-5R6M	5.60	$\pm 20\%$	2.2	2.6	205	238
MDCA3020-6R8M	6.80	$\pm 20\%$	1.9	2.2	260	300
MDCA3020-8R2M	8.20	$\pm 20\%$	1.6	1.9	340	390
MDCA3020-100M	10.0	$\pm 20\%$	1.4	1.6	366	422



