

MICRO POWER INDUCTORS

MEC series: MPID14



- High reliability
- Magnetic shielded construction
- Size: 3.2x3.2x1.6mm
- Inductance Range: 1.0uh – 330uh
- Saturation Current Range: 0.1A – 2.0A
- ROHS & REACH compliant, halogen and lead free.

Temperature Range: -40°C to +125°C.

Reel Quantity: 3500pcs

Applications: Power supply, PCs, portable equipment, industrial control board

Part Number	Inductance (μH)	DCR (mΩ) (Max)	Isat (A) (Max)	Irms (A) (Max)
MPID14-1R0N	1.0±30%	0.075	2.0	1.4
MPID14-1R5N	1.5±30%	0.10	1.8	1.3
MPID14-1R8N	1.8±30%	0.10	1.5	1.1
MPID14-2R2N	2.2±30%	0.11	1.5	1.1
MPID14-3R3N	3.3±30%	0.13	1.3	1.0
MPID14-4R7N	4.7±30%	0.20	1.1	0.90
MPID14-6R8N	6.8±30%	0.30	0.91	0.68
MPID14-100M	10±20%	0.44	0.65	0.55
MPID14-150M	15±20%	0.70	0.55	0.44
MPID14-180M	18±20%	0.75	0.53	0.43
MPID14-220M	22±20%	0.825	0.49	0.42
MPID14-330M	33±20%	1.30	0.42	0.35
MPID14-470M	47±20%	1.55	0.32	0.30
MPID14-680M	68±20%	2.25	0.28	0.25
MPID14-S101M	100±20%	3.40	0.23	0.19
MPID14-S121M	120±20%	4.60	0.20	0.17
MPID14-S151M	150±20%	6.10	0.18	0.15
MPID14-S181M	180±20%	8.60	0.16	0.13
MPID14-S221M	220±20%	9.50	0.15	0.11
MPID14-S331M	330±20%	22.0	0.10	0.088

Test Frequency: 100KHz

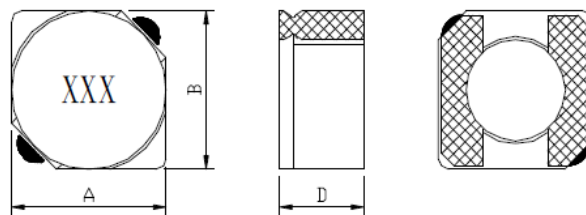
Isat: For inductance values ≥10uh, DC current at which the inductance drops 20% (max) from its value without current. For inductance values <10uh, DC current at which the inductance drops 30% (max) from its value without current.

Irms: The actual current when temperature of coil becomes Δ40°C. (Ta = +25°C).

We can offer competitive lead times and prices compared to other EMI passive suppliers. If you are looking for an alternative component then please do not hesitate to contact one of our [global sales offices](#).

SHAPES AND DIMENSIONS

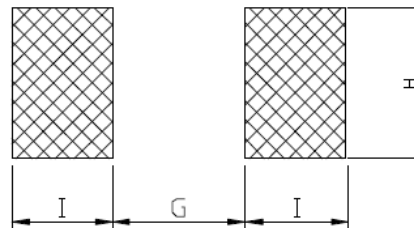
UNIT : mm



A=3.20 max. B=3.20 max. D=1.60 max.

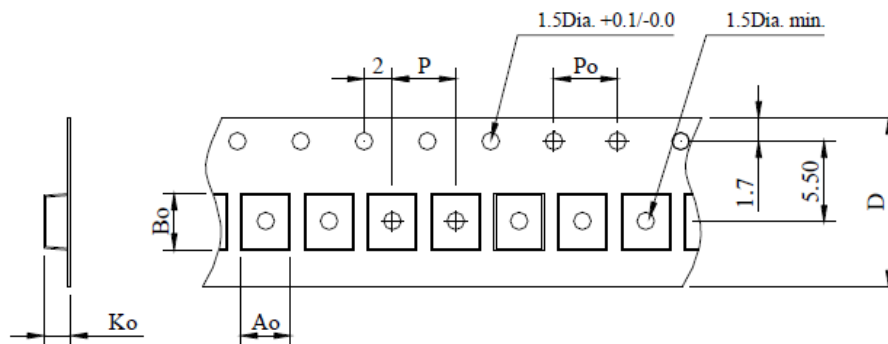
RECOMMENDED PATTERN

UNIT : mm



G= 1.02 H= 3.3 I = 1.14

PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D±0.3
13"	3,500	3.30	3.30	1.80	8.00	4.00	12.0

ANNOTATION

All specifications shown herein are typical values and are not guaranteed. It is recommended to test in the application for suitability.