

Description

- High performance, ferrite-based, low profile, surface mount inductors
- Small footprint and closed magnetic field construction allow for low EMI
- Low DCR and high efficiency
- Ferrite core material


Applications

- PC cards, cellular telephones, pagers, and disk drives
- GPS systems

Environmental Data

- Storage temperature range: -40°C to +125°C
- Operating ambient temperature range: -40°C to +85°C (range is application specific).
- Solder reflow temperature: +260°C max. for 10 seconds max.


Packaging

- Supplied in tape and reel packaging, 3900 per reel

Part Number	Inductance μ H	OCL (1) μ H \pm 20%	Irms (2) Amperes (Typ.)	Isat (3) Amperes (Typ.)	DCR (4) Ohms (Max.)	Q (5) (Typ.)	SRF MHz (Typ.)
MP2-R47-R	0.47	0.40	2.02	3.40	0.075	10	300
MP2-1R0-R	1.0	1.02	1.67	2.10	0.103	20	160
MP2-1R5-R	1.5	1.59	1.51	1.70	0.118	25	155
MP2-2R2-R	2.2	2.29	1.39	1.40	0.130	32	150
MP2-3R3-R	3.3	3.58	1.25	1.10	0.156	42	140
MP2-4R7-R	4.7	4.60	1.18	1.00	0.180	46	130
MP2-6R8-R	6.8	7.02	1.06	0.80	0.202	46	110
MP2-100-R	10.0	9.95	0.98	0.68	0.240	55	100
MP2-150-R	15.0	15.30	0.88	0.54	0.300	65	60
MP2-220-R	22.0	21.80	0.80	0.45	0.360	65	45
MP2-330-R	33.0	33.70	0.64	0.37	0.556	65	35
MP2-470-R	47.0	46.40	0.52	0.31	0.833	65	28

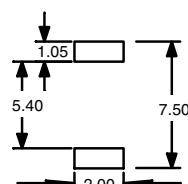
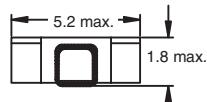
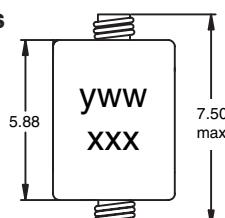
1) Open Circuit Inductance Test Parameters: 100kHz, 0.250 Vrms, 0.0 Adc

2) RMS current, delta temp. of 40° C ambient temperature of 85° C

3) Peak current for approximately 30% roll-off

4) Values @ 20° C

5) Measured @ 300kHz

Mechanical Diagrams


Dimensions in Millimeters.

Specifications are subject to change without notice.

yww = Date Code

xxx = Inductance value per family chart

Inductance Characteristics
