

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
- RoHS compliant (-R option)

Applications

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

Environmental Data

- Storage temperature range: -40C to +125C
- Operating ambient temperature range: -40C to +85C (range is application specific).
- Infrared reflow temperature: +240°C for 30 seconds maximum



Packaging

- Supplied in tape and reel packaging, 3900 per reel

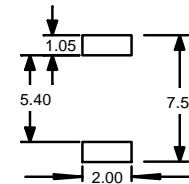
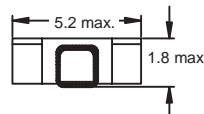
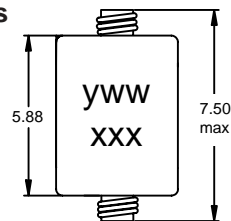
Part Number	Inductance μH	OCL (1) $\mu\text{H} \pm 20\%$	I _{rms} (2) Amperes (Typ.)	I _{sat} (3) Amperes (Typ.)	DCR (4) Ohms (Max.)	Q (5) (Typ.)	SRF MHz (Typ.)
MP2-R47	0.47	0.40	2.02	3.40	0.075	10	300
MP2-1R0	1.0	1.02	1.67	2.10	0.103	20	160
MP2-1R5	1.5	1.59	1.51	1.70	0.118	25	155
MP2-2R2	2.2	2.29	1.39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

OPTION CODE	
Option Code	Description
-R	RoHS compliant version

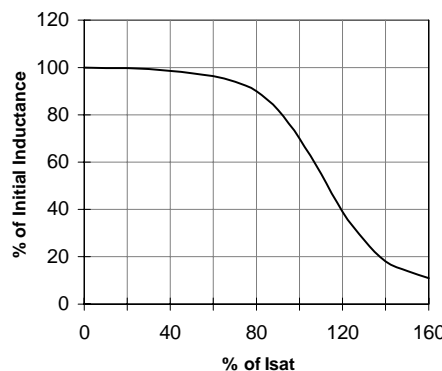
Mechanical Diagrams



Dimensions in Millimeters.
 Specifications are subject to change without notice.

yww = Date Code
 xxx = Inductance value per family chart

Inductance vs Saturation Current



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