



# MICRO-PACTM **Low Profile Power Inductors** (Surface Mount)

## 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.





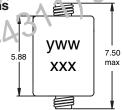
#### **Packaging**

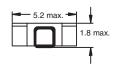
• Supplied in tape and real packaging, 3200 per reel

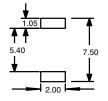
Part Number	Inductance µH	OCL (1) μH ± 20%	Irms (2) Amperes	Isa (3) Amreres	DCR (4)	Q (5) (T, p.)	SRF MHz
Number	μιι	μιι ± 20 /6	(Typ.)	(Typ.)	(Max.)	(1,0.)	(Typ.)
MP2-R47-R	0.47	0.40	2.02	3.40	0.075	10	300
MP2-1R0-R	1.0	1.02	1.67	2.10	0.103	20	160
MP2-1R5-R	1.5	1.59	1.51	51.70	0 1 18	25	155
MP2-2R2-R	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	1.13	1 00	0.180	46	130
MP2-6R8-R	6.8	7.02	1.06	0.80	0.202	46	110
MP2-100-R	(0.0)	9.9	0.99	0.68	0.240	55	100
MP2-150-R	15.0	1:5.30	0.83	0.54	0.300	65	60
MP2-220-R	22.0	21.80	0.80	2.45	0.360	65	45
MP2-330-R	33.0	33.70	0.64	0.37	0.556	65	35
MF2-47(-B	47.0	16.40	0.52	0.31	0.833	65	28

<sup>)</sup> Oben Circuit Inductarios Test Parameters 100 Hz, 0.250 Vrms, 0.0 Nd v

#### Mechanical Diagrams





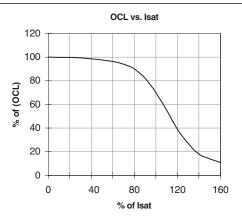


yww = Date Code

xxx = Inductance value per family chart

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

### Inductance Characteristics



<sup>2,</sup> rIMS current cle at m.p. of 40° C ambient temperature of 85° C 3) Peak current for approximately 30% refrecti

<sup>4)</sup> Values @ 20° C 5) Measured @ 300KHz





Discontinued, Effective July 25, 2016 or until Discontinued, Effective July 25, 2016 or until Please review MP2A

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