PMI Series

Power Multilayer Inductor

Size 2520

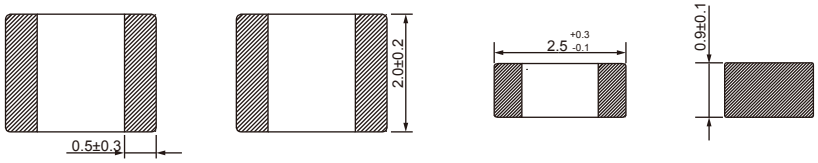
CHARACTERISTICS

- Compact structure with multilayer
- Magnetically shielded with closed circuit
- Different sizes and types available
- Low loss at high switching frequency
- Quantity: 3000pcs

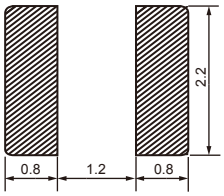
APPLICATION

- High switching frequency converter

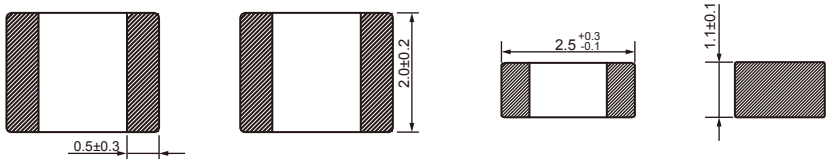
Dimensions: [mm] PMI252010



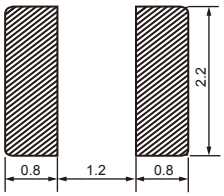
Land Pattern: [mm]



Dimensions: [mm] PMI252012



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance (µH)	Tolerance	Temperature Rise Current Max. (mA)	Saturation Current Typ. (mA)	DCR Max. (mΩ)	DCR Typ. (mΩ)	SRF Min. (MHz)
PMI252010S-R47M	0.47	± 20%	1800	1500	50	40	105
PMI252010S-1R0M	1.0	± 20%	1600	1400	75	60	70
PMI252010S-1R5M	1.5	± 20%	1500	1200	87	70	65
PMI252010S-2R2M	2.2	± 20%	1300	850	100	80	55
PMI252010S-3R3M	3.3	± 20%	1200	450	125	100	30
PMI252010S-4R7M	4.7	± 20%	1100	320	137	110	25
PMI252010C-2R2M	2.2	± 20%	1200	1500	250	200	60
PMI252010C-3R3M	3.3	± 20%	1100	1200	312	250	55
PMI252010C-4R7M	4.7	± 20%	900	750	475	380	35
PMI252010C-6R8M	6.8	± 20%	750	350	562	450	30
PMI252010C-100M	10	± 20%	700	250	625	500	25

KOHER Electronic
4546 BATES DRIVE, YORBLINDA CA 92886 USA
714-325-4789 Contact@kohergroup.com

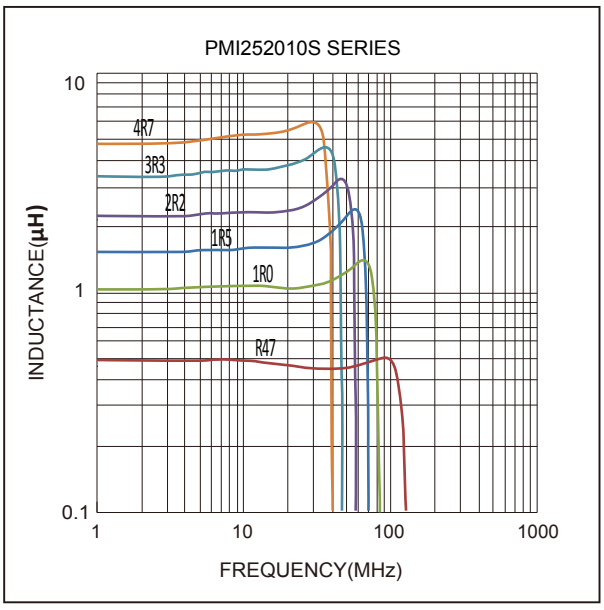
Part No	Inductance (μH)	Tolerance	Temperature Rise Current Max. (mA)	Saturation Current Typ. (mA)	DCR Max. (mΩ)	DCR Typ. (mΩ)	SRF Min. (MHz)
PMI252012C-1R0M	1	± 20%	2100	2100	106	85	85
PMI252012C-2R2M	2.2	± 20%	1100	1600	312	250	50
PMI252012C-3R3M	3.2	± 20%	1100	1250	312	250	50
PMI252012C-4R7M	4.7	± 20%	900	800	500	400	35
PMI252012C-6R8M	6.8	± 20%	800	750	625	500	30
PMI252012C-100M	10	± 20%	800	500	625	500	25

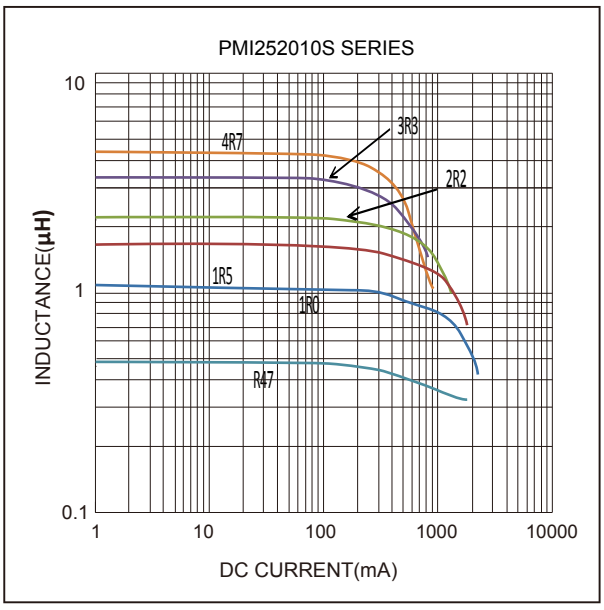
Operating Temperature: -40℃~+125℃

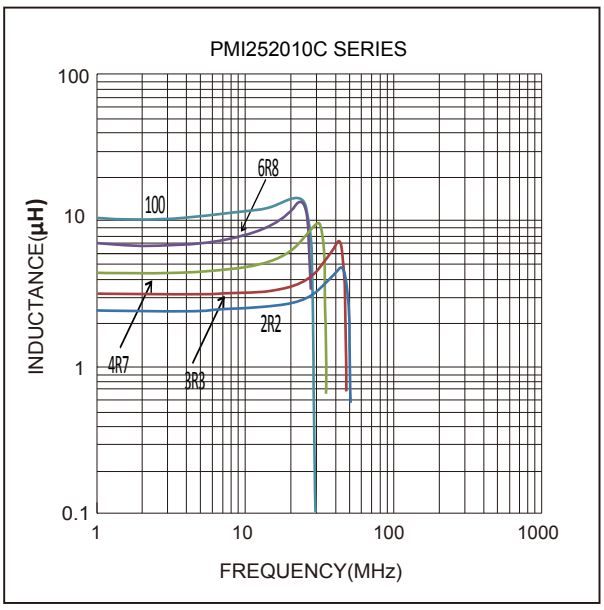
Temperature rise current : The actual value of DC current when the temperature rise is ΔT40℃

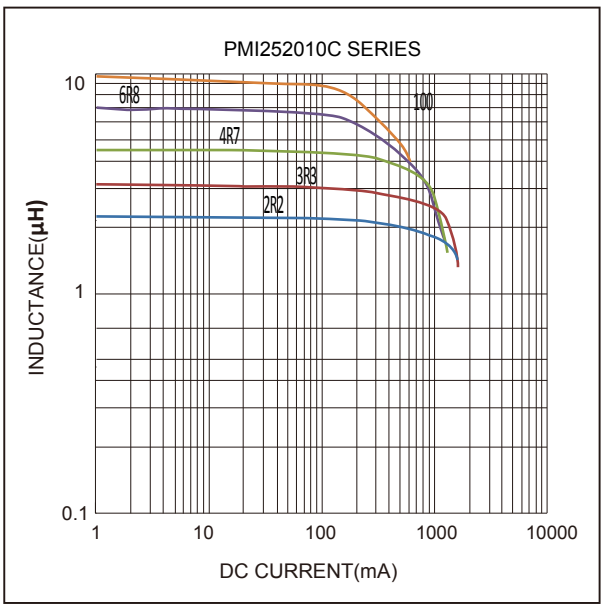
Saturation Current that will cause initial inductance to drop 30% approximately .

Typical Electrical Characteristics:

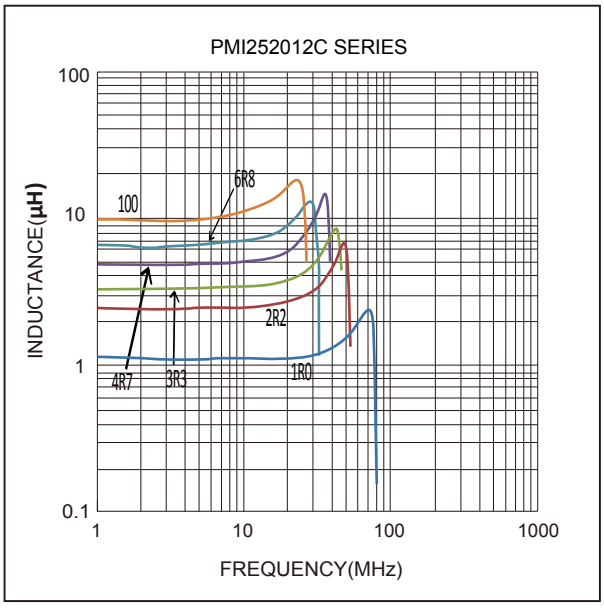


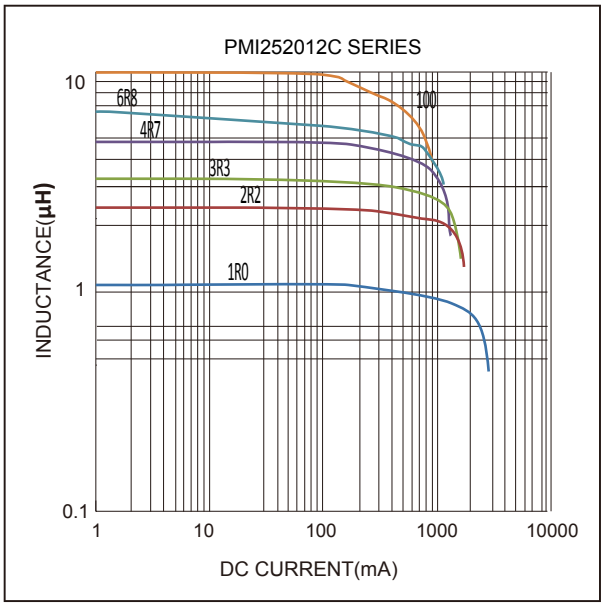






KOHER Electronic
4546 BATES DRIVE, YORBLINDA CA 92886 USA
714-325-4789 Contact@kohergroup.com





KOHER Electronic
4546 BATES DRIVE, YORBLINDA CA 92886 USA
714-325-4789 Contact@kohergroup.com