

# MULTI-LAYER POWER INDUCTORS

## POWER INDUCTOR FOR DC/DC CONVERTER

### ◇ IP2016 (EIA 0806)

Type	Ordering Code	Inductance		Measuring frequency (MHz)	DCR (ohm)		Rated Current [A]		Saturation Current [A]	Thickness (mm)	Packing
		[uH]	Tol		Max.	Typ.	Max.	Typ.	Typ.		
Standard #1	IP2016 R47	0.47	±20%	1	0.088	0.070	1.60		1.20	0.90±0.10	7"Embossed 3kpcs
	IP2016 1R0	1.0			0.138	0.110	1.30		1.10		
	IP2016 1R5	1.5			0.150	0.120	1.20		0.80		
	IP2016 2R2	2.2			0.163	0.130	1.20		0.60		
	IP2016 3R3	3.3			0.188	0.150	1.10		0.30		
	IP2016 4R7	4.7			0.255	0.180	0.90		0.20		
Low Profile #2	IP2016 R47	0.47	±20%	1	0.063	0.050	2.15		2.50	0.70±0.10	7"Embossed 3kpcs
High Current #2	IP2016 R24	0.24	±20%	1	0.025	0.020	3.40	4.40	0.50	0.90±0.10	7"Embossed 3kpcs
	IP2016 R47	0.47			0.046	0.037	2.50	3.20	3.60		
	IP2016 1R0	1.0			0.080	0.064	2.00	2.30	2.40		

#1 Operating temperature range from -40°C to 125°C.

#2 Operating temperature range from -40°C to 85°C.

### ◇ IP2520 (EIA 1008)

Type	Ordering Code	Inductance		Measuring frequency (MHz)	DCR (ohm)		Rated Current [A]		Saturation Current [A]		Thickness (mm)	Packing
		[uH]	Tol		Max.	Typ.	Max.	Typ.	Max.	Typ.		
Standard	IP1608 R33	0.47	±20%	1	0.0500	0.0400	1.80		1.28	1.60	0.90±0.10	7"Embossed 3kpcs
	IP1608 R50	1.0			0.0750	0.0600	1.60		0.96	1.20		
	IP1608 1R0	1.5			0.0870	0.0700	1.50		0.64	0.80		
	IP1608 2R2	2.2			0.1125	0.0900	1.30		0.56	0.70		
	IP1608 1R0	3.3			0.1125	0.0900	1.20		0.24	0.30		
	IP1608 2R2	4.7			0.1625	0.1300	1.10		0.24	0.30		
Low Profile	IP1608 4R7	0.47	±20%	1	0.0690	0.0550	2.20	2.60	4.00	4.30	0.70±0.10	7"Embossed 3kpcs

※ Rated current specifies that temperature rise caused by self-generated heat shall be limited to 40°Cmax

※ Saturated current specifies that inductance drop is below 30% during DC loaded (at 20°C)