

COILTRONICS® Power Inductors



RoHS compliant This product is RoHS compliant.

HCM1103 SERIES HIGH CURRENT, HIGH FREQUENCY POWER INDUCTORS

- Features:**
- Power iron core material
 - Magnetically shielded, low EMI
 - High current carrying capacity, low core losses

- Specifications:**
- Operating Temperature Range: -55°C to +125°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Open Circuit Inductance (uH)	Full Load Inductance (uH)	I _{rms} (A)	I _{sat} (A)	Price Each			Reel Qty.	Price Per Piece
							1	50	100		
704-HCM1103-R12-R	HCM1103-R12-R	A	0.12	0.07	30	75	3.31	2.16	1.92	1000	1.46
704-HCM1103-R36-R	HCM1103-R36-R	A	0.36	0.26	23	28	3.31	2.16	1.92	1000	1.46
704-HCM1103-R47-R	HCM1103-R47-R	A	0.47	0.33	20	26	2.16	1.12	1.06	1000	.94
704-HCM1103-R68-R	HCM1103-R68-R	A	0.68	0.38	21	23	3.31	2.16	1.92	1000	1.46
704-HCM1103-1R0-R	HCM1103-1R0-R	A	1	0.56	15	21	3.31	2.16	1.92	1000	1.46
704-HCM1103-2R2-R	HCM1103-2R2-R	A	2.2	1.2	13	16	3.31	2.16	1.92	1000	1.46
704-HCM1103-3R3-R	HCM1103-3R3-R	A	3.3	1.9	9	14	3.31	2.16	1.92	1000	1.46
704-HCM1103-4R7-R	HCM1103-4R7-R	A	4.7	2.6	7	13	3.31	2.16	1.92	1000	1.46
704-HCM1103-8R2-R	HCM1103-8R2-R	A	8.2	4.6	5	8.5	3.31	2.16	1.92	1000	1.46
704-HCM1103-100-R	HCM1103-100-R	A	10	5.6	5	7.5	3.31	2.16	1.92	1000	1.46
704-HCM1103-150-R	HCM1103-150-R	A	15	8.4	4	6	3.31	2.16	1.92	1000	1.46
704-HCM1103-220-R	HCM1103-220-R	A	22	12.3	3	5	3.31	2.16	1.92	1000	1.46

HCM0503 AND HCM0703 SERIES HIGH CURRENT POWER INDUCTORS

- Features:**
- Power iron core material
 - Magnetically shielded, low EMI
 - High current carrying capacity, low core losses
 - Wide Frequency Range

- Specifications:**
- High Energy Density
 - Good thermal dissipation
 - Soft roll-off
 - High Saturation Current

- Specifications:**
- Operating Temperature Range: -55°C to +125°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Open Circuit Inductance (uH)	Full Load Inductance (uH)	I _{rms} (A)	I _{sat} (A)	Price Each			Reel Qty.	Price Per Piece
							1	50	100		
704-HCM0503-R20-R	HCM0503-R20-R	B	0.20	0.128	22.2	21	1.20	.92	.84	2000	.643
704-HCM0503-R35-R	HCM0503-R35-R	B	0.35	0.224	16.6	14.9	1.20	.92	.84	2000	.643
704-HCM0503-R75-R	HCM0503-R75-R	B	0.75	0.480	11.3	9.7	1.20	.92	.84	2000	.643
704-HCM0503-1R0-R	HCM0503-1R0-R	B	1	0.640	10.1	8.5	1.57	1.26	1.05	2000	.657
704-HCM0703-R15-R	HCM0703-R15-R	C	0.15	0.09	26	52	2.05	1.33	1.18	1500	.86
704-HCM0703-R22-R	HCM0703-R22-R	C	0.22	0.13	23	40	2.05	1.33	1.18	1500	.86
704-HCM0703-R47-R	HCM0703-R47-R	C	0.47	0.28	17.5	26	2.05	1.33	1.18	1500	.86
704-HCM0703-R68-R	HCM0703-R68-R	C	0.68	0.41	15.5	25	2.05	1.33	1.18	1500	.86
704-HCM0703-R82-R	HCM0703-R82-R	C	0.82	0.49	13	24	2.05	1.33	1.18	1500	.86
704-HCM0703-1R0-R	HCM0703-1R0-R	C	1	0.60	11	22	2.05	1.33	1.18	1500	.86
704-HCM0703-1R5-R	HCM0703-1R5-R	C	1.5	0.90	9	18	2.05	1.33	1.18	1500	.86
704-HCM0703-2R2-R	HCM0703-2R2-R	C	2.2	1.32	8	14	2.05	1.33	1.18	1500	.86
704-HCM0703-3R3-R	HCM0703-3R3-R	C	3.3	1.98	6	13.5	2.05	1.33	1.18	1500	.86
704-HCM0703-4R7-R	HCM0703-4R7-R	C	4.7	2.82	5.5	10	2.05	1.33	1.18	1500	.86
704-HCM0703-6R8-R	HCM0703-6R8-R	C	6.8	4.08	4.5	8	2.05	1.33	1.18	1500	.86
704-HCM0703-8R2-R	HCM0703-8R2-R	C	8.2	4.92	4	7.5	2.13	1.49	1.32	1500	1.02
704-HCM0703-100-R	HCM0703-100-R	C	10	6	3.2	7	2.13	1.49	1.32	1500	1.02

HCF1007 SERIES HIGH CURRENT, HIGH FREQUENCY POWER INDUCTORS

- Features:**
- Ferrite core material
 - Secure 3 terminal mounting
 - High current carrying capacity, low core losses
 - Controlled DCR tolerance for sensing currents

- Specifications:**
- Operating Temperature Range: -40°C to +125°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Open Circuit Inductance (uH)	Full Load Inductance (uH)	I _{rms} (A)	I _{sat} (A)	Price Each			Reel Qty.	Price Per Piece
							1	50	100		
704-HCF1007-R56-R	HCF1007-R56-R	D	0.56	0.40	26	36	2.63	1.58	1.40	700	1.12
704-HCF1007-1R0-R	HCF1007-1R0-R	D	1	0.72	16	26	2.63	1.58	1.40	700	1.12
704-HCF1007-1R5-R	HCF1007-1R5-R	D	1.5	1.08	13	22	2.63	1.58	1.40	700	1.12
704-HCF1007-2R2-R	HCF1007-2R2-R	D	2.2	1.57	10.7	18	2.63	1.58	1.40	700	1.12
704-HCF1007-3R3-R	HCF1007-3R3-R	D	3.3	2.37	10	14.5	2.63	1.58	1.40	700	1.12
704-HCF1007-4R7-R	HCF1007-4R7-R	D	4.7	3.38	9.4	12	2.63	1.58	1.40	700	1.12
704-HCF1007-6R8-R	HCF1007-6R8-R	D	6.8	4.90	9.4	7.8	2.63	1.58	1.40	700	1.12
704-HCF1007-100-R	HCF1007-100-R	D	10	7.20	9.4	5.3	2.63	1.58	1.40	700	1.12

SDH2812 SERIES LOW PROFILE, HIGH POWER, SHIELDED DRUM INDUCTORS

- Features:**
- Ferrite core material
 - High power density, ultra-compact footprint
 - Magnetically shielded, low EMI

- Specifications:**
- Operating Temperature Range: -40°C to +125°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Open Circuit Inductance (uH)	Full Load Inductance (uH)	I _{rms} (A)	I _{sat} (A)	Price Each			Reel Qty.	Price Per Piece
							1	50	100		
704-SDH2812-1R5-R	SDH2812-1R5-R	E	1.5	A	1.33	1.71	.98	.787	.664	4500	.42
704-SDH2812-2R2-R	SDH2812-2R2-R	E	2.2	B	1.26	1.53	.98	.787	.664	4500	.42
704-SDH2812-3R3-R	SDH2812-3R3-R	E	3.2	C	1.08	1.16	.98	.787	.664	4500	.42
704-SDH2812-4R7-R	SDH2812-4R7-R	E	4.2	D	0.90	1.00	.98	.787	.664	4500	.42
704-SDH2812-100-R	SDH2812-100-R	E	9.67	G	0.62	0.71	.98	.787	.664	4500	.42
704-SDH2812-150-R	SDH2812-150-R	E	14.7	H	0.50	0.57	.98	.787	.664	4500	.42
704-SDH2812-220-R	SDH2812-220-R	E	21.6	I	0.44	0.46	.85	.687	.581	4500	.366
704-SDH2812-470-R	SDH2812-470-R	E	46.7	K	0.30	0.32	.98	.787	.664	4500	.42
704-SDH2812-680-R	SDH2812-680-R	E	68	L	0.27	0.27	.98	.787	.664	4500	.42

