




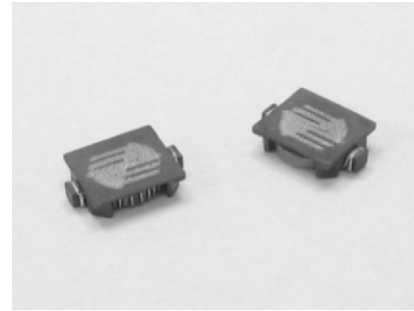


-  Suitable for DC/DC conversions in notebook computers, or other portable handheld devices.
-  High performance and small size for surface mounting applications
-  Unshielded and self-leaded design for pick and place handling
-  Inductance range from 0.47 to 100 micro H
-  RoHS compliant



ELECTRICAL SPECIFICATION @ 25°C

Part Number	Rated Inductance ² (uH) Typ.	Inductance ³ L (uH ±20%)	DCR (mΩ) Typ	Isat ⁴ (A)	Irms ⁵ (A)	Volt- sec ² Typ.	Marking (YYYY)
UISMP2AM-R47F	0.47	0.47	24	5.80	3.52	1.20	MR47
UISMP2AM-R68F	0.68	0.68	27	4.83	3.31	1.27	MR68
UISMP2AM-1R0F	1.00	1.21	67	3.63	2.11	2.00	M1R0
UISMP2AM-1R5F	1.50	1.54	73	3.22	2.02	2.09	M1R5
UISMP2AM-2R2F	2.20	2.30	86	2.64	1.87	2.26	M2R2
UISMP2AM-3R3F	3.30	3.21	98	2.23	1.75	2.42	M3R3
UISMP2AM-4R7F	4.70	4.86	117	1.81	1.60	2.64	M4R7
UISMP2AM-6R8F	6.80	6.85	136	1.53	1.49	2.84	M6R8
UISMP2AM-8R2F	8.20	8.54	167	1.54	1.34	3.15	M8R2
UISMP2AM-100F	10.00	10.02	179	1.42	1.29	3.26	M100
UISMP2AM-150F	15.00	15.18	217	1.16	1.18	3.59	M150
UISMP2AM-220F	22.00	21.40	311	0.97	0.98	4.30	M220
UISMP2AM-330F	33.00	32.74	476	0.79	0.79	5.32	M330
UISMP2AM-470F	47.00	46.48	727	0.66	0.64	6.57	M470
UISMP2AM-680F	68.00	68.53	1108	0.54	0.52	8.11	M680
UISMP2AM-820F	82.00	81.15	1463	0.50	0.45	9.32	M820
UISMP2AM-101F	100.00	99.65	2015	0.45	0.39	10.94	M101

Notes:

1. Ordering Information: UISMP2Aa - bbbFc.
UISMP2A = Product Type.
a = Tolerance of Inductance (M= ±20%).
bbb = Inductance value in uH (i.e. R47 = 0.47uH; 4R7 = 4.7uH; 470 = 47uH; 101 = 100uH).
F = Internal Control Code.
c = Packaging Code (T = Tape & Reel Packaging in 13 inch Reel).
2. Rated inductance and Volt- sec are for reference only.
3. Inductance is tested at 100kHz, 0.25Vrms, 0Adc.
4. Inductance drops 30% typical at Isat.
5. Irms for an approximate T of 40°C without core loss. It is recommended that the temperature of the part not exceed 125°C.
6. Operating temperature range: -40°C to +125°C.

