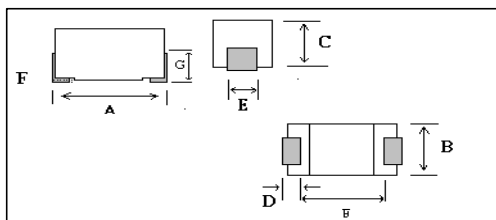


# SMD-M1-3013



- A:** 0.300 to 0.325      7.62 to 8.26
- B:** 0.105 to 0.125      2.67 to 3.18
- C:** 0.125 to 0.145      3.18 to 3.68
- D:** 0.020 Min            0.508 Min
- E:** 0.040 to 0.060      1.02 to 1.52
- F:** 0.190 (Ref. Only)      4.83 (Ref. Only)
- G:** 0.070 (Ref. Only)      1.78 (Ref. Only)

### Characteristics

Operating temperature	-55°C to +125°C
Inductance tolerance	+/- 5%, +/- 10%
Testing (Equivalent acceptable)	<b>L &amp; Q</b> tested with HP 4342A <b>IDC</b> : 11021 current source & DCR meter <b>RDC</b> : HP4263B current source & DCR meter <b>SRF</b> : HP-4191A .HP-4291B
Current Rating	Over 85 Degrees C Amb 40 Degrees C Rise
Power Dissipation	At 85 Degrees C -.23 Watts
Marking	Inductance
Incremental Current	Inductance- Measured at 1 V with no DC current. The current at which the inductance will be decreased by a maximum of 5% from its initial zero DC value.
	<b>Reflow soldering 260°C 10 sec</b> <b>Resistance to soldering Heat 260°C , 15 sec max</b>
Packaging	1500/EA/reel

PART NUMBER	L (uH)	TEST FREQ	Q Min	SRF (Mhz) Min	DCR (Ohms) Max	RATED I (mA)
SMDM1-R10K	0.10	25MHz	40	680	0.08	1350
SMDM1-R12K	0.12	25MHz	40	640	0.09	1270
SMDM1-R15K	0.15	25MHz	38	600	0.10	1200
SMDM1-R18K	0.18	25MHz	35	550	0.12	1105
SMDM1-R22K	0.22	25MHz	33	510	0.14	1025
SMDM1-R27K	0.27	25MHz	33	430	0.16	960
SMDM1-R33M	0.33	25MHz	30	410	0.22	815
SMDM1-R39M	0.39	25MHz	30	365	0.30	700
SMDM1-R47M	0.47	25MHz	30	330	0.35	650
SMDM1-R56M	0.56	25MHz	30	300	0.50	545
SMDM1-R68K	0.68	25MHz	28	275	0.60	495
SMDM1-R82K	0.82	25MHz	28	250	0.85	415
SMDM1-1R0K	1.0	25MHz	25	230	1.00	385
SMDM1-1R2K	1.2	7.9MHz	25	150	0.18	590
SMDM1-1R5K	1.5	7.9MHz	28	140	0.22	535
SMDM1-1R8K	1.8	7.9MHz	30	125	0.30	455
SMDM1-2R2K	2.2	7.9MHz	30	115	0.40	395
SMDM1-2R7K	2.7	7.9MHz	37	100	0.55	355
SMDM1-3R3K	3.3	7.9MHz	45	90	0.85	270
SMDM1-3R9K	3.9	7.9MHz	45	80	1.00	250
SMDM1-4R7K	4.7	7.9MHz	45	75	1.20	230
SMDM1-5R6K	5.6	7.9MHz	50	65	1.80	185
SMDM1-6R8K	6.8	7.9MHz	50	60	2.00	175
SMDM1-8R2K	8.2	7.9MHz	55	55	2.70	155
SMDM1-100K	10	7.9MHz	55	50	3.70	130
SMDM1-120K	12	2.5MHz	45	40	2.70	155
SMDM1-150K	15	2.5MHz	40	35	2.80	150
SMDM1-180K	18	2.5MHz	50	30	3.10	145
SMDM1-220K	22	2.5MHz	50	25	3.30	140
SMDM1-270K	27	2.5 MHz	50	20	3.5	135
SMDM1-330K	33	2.5 MHz	45	24	3.4	130
SMDM1-390K	39	2.5 MHz	45	22	3.6	125
SMDM1-470K	47	2.5 MHz	45	20	4.5	110
SMDM1-560K	56	2.5 MHz	45	18	5.7	100
SMDM1-680K	68	2.5 MHz	50	15	6.7	92
SMDM1-820K	82	2.5 MHz	50	14	7.3	88
SMDM1-101K	100	2.5 MHz	50	13	8	84
SMDM1-121K	120	0.79 MHz	30	12	13	66
SMDM1-151K	150	0.79 MHz	30	11	15	61
SMDM1-181K	180	0.79 MHz	30	10	17	57
SMDM1-221K	220	0.79 MHz	30	9	21	52
SMDM1-271K	270	0.79 MHz	30	8	25	47
SMDM1-331K	330	0.79 MHz	30	7.0	28	45
SMDM1-391K	390	0.79 MHz	30	6.5	35	40
SMDM1-471K	470	0.79 MHz	30	6.0	42	36
SMDM1-561K	560	0.79 MHz	30	5.0	46	35
SMDM1-681K	680	0.79 MHz	30	4.0	60	30
SMDM1-821K	820	0.79 MHz	30	3.8	65	29
SMDM1-102K	1000	0.79 MHz	30	3.4	72	28