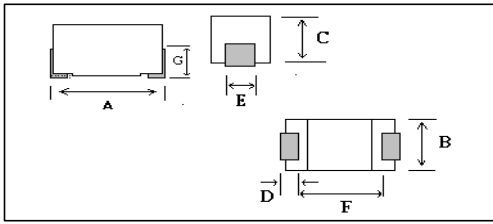


Molded Inductors POWER SMDP3013



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
Standard tolerance	+/- 10% ;closer tolerances available upon request.
Testing (Equivalent acceptable)	L measured on HP4263B-1KHZ IDC : 11021 current source &DCR meter RDC : HP4263B current source & DCR meter
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% form its initial zero DC value.
	Reflow soldering 260°C 10 sec Resistance to soldering Heat 260°C , 15 sec max
Packaging	1500/EA/reel

PART NUMBER	INDUCTANCE(μH) +/-10% @ 1KHZ	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAX. mA DC	INCREMENTAL CURRENT mA DC
SMDP-3013-1R0K	1.0	0.035	2780	1526
SMDP-3013-1R2K	1.2	0.041	2690	1400
SMDP-3013-1R5K	1.5	0.043	2030	1291
SMDP-3013-1R8K	1.8	0.048	1950	1180
SMDP-3013-2R2K	2.2	0.075	1690	1104
SMDP-3013-2R7K	2.7	0.080	1550	936
SMDP-3013-3R3K	3.3	0.108	1460	840
SMDP-3013-3R9K	3.9	0.118	1390	732
SMDP-3013-4R7K	4.7	0.125	1330	720
SMDP-3013-5R6K	5.6	0.145	1110	612
SMDP-3013-6R8K	6.8	0.165	1080	600
SMDP-3013-8R2K	8.2	0.180	1020	600
SMDP-3013-100K	10	0.216	946	564
SMDP-3013-120K	12	0.252	912	516
SMDP-3013-150K	15	0.288	858	432
SMDP-3013-180K	18	0.328	817	420
SMDP-3013-220K	22	0.384	694	348
SMDP-3013-270K	27	0.425	657	324
SMDP-3013-330K	33	0.538	568	270
SMDP-3013-390K	39	0.600	488	270
SMDP-3013-470K	47	0.792	467	246
SMDP-3013-560K	56	0.900	442	216
SMDP-3013-680K	68	1.020	384	174
SMDP-3013-820K	82	1.380	362	150
SMDP-3013-101K	100	1.680	347	132
SMDP-3013-121K	120	1.800	327	111
SMDP-3013-151K	150	2.040	272	106
SMDP-3013-181K	180	2.400	261	89
SMDP-3013-221K	220	2.648	223	72
SMDP-3013-271K	270	4.320	191	60
SMDP-3013-331K	330	4.800	179	57
SMDP-3013-391K	390	5.640	171	48
SMDP-3013-471K	470	6.000	161	41
SMDP-3013-561K	560	6.960	138	35
SMDP-3013-681K	680	8.760	130	30
SMDP-3013-821K	820	9.960	113	26
SMDP-3013-102K	1000	11.16	105	22
SMDP-3013-122K	1200	14.00	85	20
SMDP-3013-152K	1500	18.00	75	18
SMDP-3013-182K	1800	23.00	60	16
SMDP-3013-222K	2200	29.00	55	14
SMDP-3013-272K	2700	36.00	50	12
SMDP-3013-332K	3300	42.00	40	10
SMDP-3013-392K	3900	52.00	35	8
SMDP-3013-472K	4700	70.00	30	5



AMT

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