

FEATURES

- CURRENT RATINGS TO 9.0 AMPS
- MINIATURE SIZE FOR A WIDE RANGE OF APPLICATIONS
- SURFACE MOUNTABLE USING REFLOW SOLDERING
- AVAILABLE ON EMBOSSED PLASTIC TAPE & REEL

SPECIFICATIONS

INDUCTANCE RANGE	1.0μH ~ 1000μH
TEMPERATURE RANGE	-40°C ~ +85°C
INDUCTANCE TOLERANCE	± 20%



STANDARD VALUES

Part Number	Inductance 100Khz 0.1Vrms (μH ± 20%)	DC Resistance (ohms ± 15%)	Isat (Amps) Inductance drop = 10%	Irms (Amps) Δ T =15° C rise typ.
NPI84M1R0TR	1.0	0.008	9.0	6.8
NPI84M1R5TR	1.5	0.009	8.0	6.4
NPI84M2R2TR	2.2	0.010	7.0	6.1
NPI84M3R3TR	3.3	0.013	6.4	5.4
NPI84M4R7TR	4.7	0.016	5.4	4.8
NPI84M6R8TR	6.8	0.019	4.6	4.4
NPI84M100TR	10	0.025	3.8	3.9
NPI84M150TR	15	0.040	3.0	3.1
NPI84M220TR	22	0.050	2.6	2.7
NPI84M330TR	33	0.088	2.0	2.1
NPI84M470TR	47	0.12	1.6	1.8
NPI84M680TR	68	0.16	1.4	1.5
NPI84M101TR	100	0.23	1.2	1.3
NPI84M151TR	150	0.33	1.0	1.0
NPI84M221TR	220	0.53	0.8	0.8
NPI84M331TR	330	0.81	0.6	0.6
NPI84M471TR	470	1.10	0.5	0.5
NPI84M681TR	680	1.60	0.3	0.3
NPI84M102TR	1000	2.15	0.3	0.3

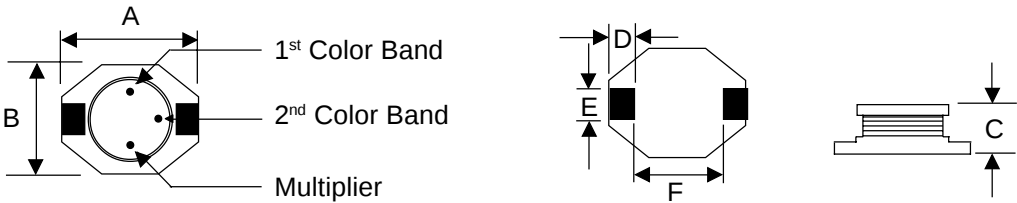
PART NUMBERING SYSTEM

NPI84 M 1R0 TR

└─ Packaging: TR = Tape/Reel
 └─ Inductance Code
 └─ Tolerance Code
 └─ Series

DIMENSIONS AND PART MARKING SYSTEM

A	B	C	D	E	F
12.95mm	9.4mm	5.08mm	2.54mm	2.54mm	7.64mm



COLOR CODE: 1st & 2nd significant figures: black-0, brown-1, red-2, orange-3, yellow-4, green-5, blue-6, purple-7, gray-8, white-9
3rd digit multiplier: black-1, brown-10, red-100, orange-1000, gold-0.1, silver-0.01

TAPING SPECIFICATIONS

A ₀	B	C	H ₀	P ₁	P ₂	W	T	Qty/Reel
9.7mm	13.25mm	11.5mm	5.4mm	12.0mm	2.0mm	24.0mm	0.3mm	700 pcs

