Molded Inductors, Axial Leads, High Frequency and Noise Suppression Applications



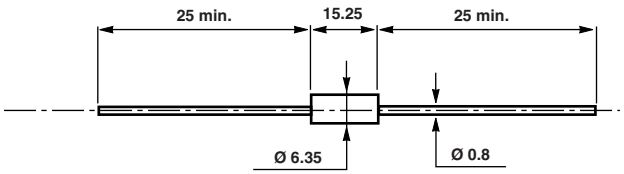
FEATURES

- Accurate dimensions
- Superior moisture protection
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

RoHS COMPLIANT

These inductors have copper winding on magnetic core structure.

DIMENSIONS in millimeters (± 0.5)



STANDARD ELECTRICAL SPECIFICATIONS

MODEL	INDUCTANCE RANGE µH	RATED POWER $P_{70\,°C}$ W	LIMITING ELEMENT VOLTAGE V_{RMS}	TOLERANCE (1) ± %	Q RANGE	I RANGE mA
TR025	1 to 8200	0.500	500	10	25 to 85	80 to 1960

Note

(1) ± 10 % for 1 µH < L ≤ 8200 µH . On request: ± 5 % for 1 µH < L ≤ 1000 µH

MECHANICAL SPECIFICATIONS

Coating	Molded epoxy
Weight	2.7 g

PACKAGING

Standard: tape and reel 500 pieces, code R10 (R)
On request: 250 pieces tape in box “ammopack”, code A15 (B)

ENVIRONMENTAL SPECIFICATIONS

Operating temperature range	0 °C to +70 °C
Temperature limits	-55 °C to +125 °C

MARKING

Standard:
print marked-manufacturer, inductance value, tolerance

ORDERING INFORMATION (part number)

T	R	0	2	5	1	0	2	K	A	1	0						

MODEL	STYLE	VALUE	TOLERANCE	PACKAGING	SPECIAL
TR	**025**	From 1 µH to 8200 µH **102** = 1 MH	**K**: ± 10 % On request: **J**: ± 5 %	**R10** = reel 500 pieces On request: **A15** = ammopack 250 pieces	Special code given by Vishay

PART NUMBER DESCRIPTION (for information only)

TR	025	1 MH	10 %	R		e1
MODEL	STYLE	VALUE	TOLERANCE	PACKAGING	SPECIAL	LEAD (Pb)-FREE

For technical questions, contact: sferaztronics@vishay.com
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STANDARD VALUES						
INDUCTANCE VALUE µH	TOLERANCE %	Q MIN.	TEST FREQUENCY MHz	RESISTANCE MAX. Ω	SRF MIN. MHz	I MAX. mA
1	± 10	55	25	0.14	200	1900
1.2	± 10	30	7.9	0.19	180	1640
1.5	± 10	30	7.9	0.28	160	1340
1.8	± 10	30	7.9	0.37	150	1160
2.2	± 10	30	7.9	0.50	135	1000
2.7	± 10	30	7.9	0.65	120	875
3.3	± 10	30	7.9	1	105	710
3.9	± 10	30	7.9	1.2	100	645
4.7	± 10	30	7.9	1.8	90	530
5.6	± 10	25	7.9	0.13	55	1960
6.8	± 10	25	7.9	0.20	50	1580
8.2	± 10	25	7.9	0.22	44	1510
10	± 10	25	7.9	0.26	42	1380
12	± 10	35	2.5	0.45	34	1060
15	± 10	35	2.5	0.52	32	980
18	± 10	40	2.5	0.70	28	840
22	± 10	50	2.5	1	24	705
27	± 10	50	2.5	1.3	22	620
33	± 10	50	2.5	1.5	20	575
39	± 10	60	2.5	2	16	500
47	± 10	85	2.5	2.2	18	475
56	± 10	85	2.5	2.3	16	465
68	± 10	85	2.5	3	14	405
82	± 10	85	2.5	3.5	12.5	375
100	± 10	80	2.5	3.8	11	365
120	± 10	75	0.79	4.2	10	345
150	± 10	60	0.79	5	8.3	315
180	± 10	65	0.79	5.3	6	305
220	± 10	65	0.79	5.9	5.5	290
270	± 10	65	0.79	6.6	5	275
330	± 10	60	0.79	7.2	4.2	260
390	± 10	60	0.79	8.6	3.9	240
470	± 10	65	0.79	9	3.6	235
560	± 10	65	0.79	9.7	3.4	225
680	± 10	60	0.79	10	3.1	220
820	± 10	60	0.79	12	2.6	200
1000	± 10	60	0.79	15	2.6	180
1200	± 10	50	0.25	18	2.3	165
1500	± 10	60	0.25	21	2.1	150
1800	± 10	60	0.25	23	2	145
2200	± 10	60	0.25	26	1.7	135
2700	± 10	60	0.25	33	1.7	120
3300	± 10	55	0.25	39	1.2	110
3900	± 10	55	0.25	44	1	105
4700	± 10	55	0.25	64	0.9	85
5600	± 10	55	0.25	66	0.85	85
6800	± 10	50	0.25	70	0.80	82
8200	± 10	60	0.25	72	0.75	80

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