



# TR022

Series :  
53700 to 53799

## molded inductors

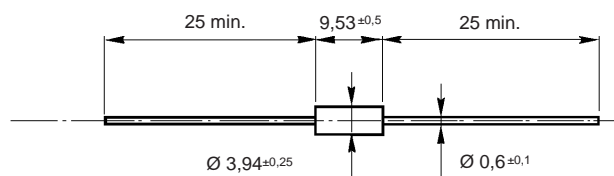
- axial leads
- high frequency and noise suppression applications

NF C 93-331  
LNZ  
GAM-T-1  
lists



These inductors conform to NFC 93-331 regulation. They have copper winding on magnetic core structure with tinned copper lead terminals. Depending on inductance value core is either phenolic material, iron powder or ferrite.

- ACCURATE DIMENSIONS
- SUPERIOR MOISTURE PROTECTION
- FLAME RETARDANT COATING
- HIGH REL ON REQUEST



Dimensions in mm

### SPECIFICATIONS

#### MECHANICAL

COATING... flame retardant  
molded epoxy  
TERMINALS... tinned copper  
WEIGHT... 0,78 g

#### ENVIRONMENTAL

OPERATING TEMPERATURE  
RANGE... +70°C  
TEMPERATURE LIMITS... -55°C +125°C

#### ELECTRICAL

INDUCTANCE RANGE... 0,1 µH to 1000 µH  
TOLERANCE... ± 10% 0,1 µH < L ≤ 1000 µH  
on request ... ± 5% 1µH < L ≤ 1000 µH  
± 2% 1µH < L ≤ 1000 µH  
MAXIMUM VOLTAGE... 500 V RMS  
POWER RATING... 180 mW at +70°C

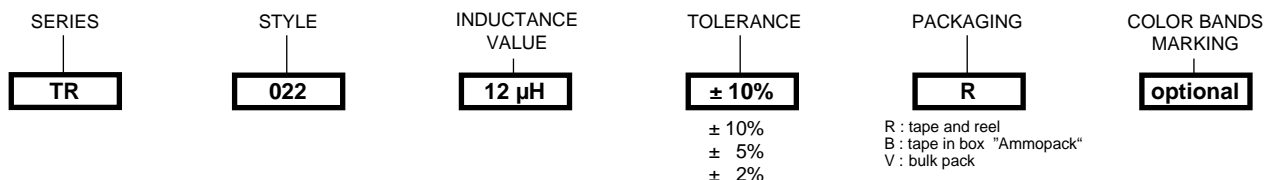
### MARKING

Standard : printed in clear manufacturer, inductance value, tolerance, or 4 color bands.

### PACKAGING

Standard : tape packaging  
1000 or 2000 pieces tape in box "Ammopack"  
4000 pieces tape and reel  
On request : 250 pieces bulk pack.

### ORDERING PROCEDURE



VISHAY S.A.  
Division Aztronic  
Z.I. de Bellitourne  
BP 353 - AZE  
53203 Château-Gontier Cedex  
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TR 022 INDUCTORS - STANDARD VALUES

Table 1

Inductance value $\mu\text{H}$	Tolerance %	Q min.	Frequency test MHz	DCR max. $\Omega$	SRF min. MHz	I max. mA
0,10	$\pm 10\%$	45	25	0,027	550	2600
0,12				0,029	530	2490
0,15				0,030	525	2450
0,18				0,042	500	2070
0,22				0,050	450	1900
0,27				0,075	410	1550
0,33				0,090	370	1400
0,39				0,10	310	1330
0,47				0,12	260	1225
0,56				0,14	250	1130
0,68		▼		0,15	240	1100
0,82		45	▼	0,22	220	900
1		50	25	0,24	200	860
1,2			7,9	0,20	170	950
1,5				0,21	150	925
1,8				0,23	135	885
2,2				0,24	125	865
2,7				0,21	110	925
3,3				0,25	105	850
3,9		▼		0,27	95	815
4,7		50		0,29	90	790
5,6		45		0,32	60	750
6,8		45		0,47	55	630
8,2		50	▼	0,57	50	560
10		55	7,9	0,90	45	445
12		60	2,5	1,10	40	400
15		60		1,30	38	370
18		65		2	34	300
22		75		2,2	30	275
27		75		2,6	25	260
33		75		2,65	22	255
39		70		2,70	18	250
47		70		2,90	15	245
56		70		3,10	14	240
68		65		3,40	12	230
82			▼	3,90	11	215
100			2,5	4,50	10	200
120			0,79	5,20	9	185
150				5,80	8	175
180				6,50	7	165
220				7,20	6	158
240				7,40	6	155
270				8	5,7	150
330				9	5,5	140
390				10	5,3	135
470				15	5	110
560				15,5	4	108
680				16,5	3,8	104
820			▼	18	3,6	100
1000	$\pm 10\%$	65	0,79	20	3,2	94



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