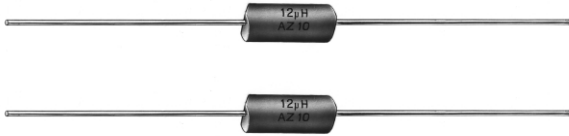


## Molded Inductors, Axial Leads, High Frequency and Noise Suppression Applications

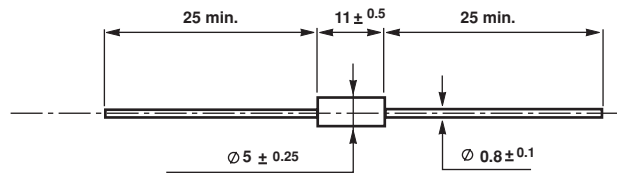


These inductors conform to NFC 93-331 regulation. They have copper winding on magnetic core structure with tinned copper lead terminals. Depending on inductance value core is either phenolic material, iron powder or ferrite.

### FEATURES

- NF C 93-331 LNZ
- GAM-T-1 lists
- Accurate dimensions
- Superior moisture protection
- Flame retardant coating
- High Reliability version on request

### DIMENSIONS in millimeters



ELECTRICAL SPECIFICATIONS	
Inductance Range	0.1µH to 1000µH
Tolerance On Request	± 10% 0.1µH < L ≤ 1000µH ± 5% 1µH < L ≤ 1000µH ± 2% 1µH < L ≤ 1000µH
Maximum Voltage	500VRMS
Power Rating	180mW at + 70°C

### MECHANICAL SPECIFICATIONS

Coating	flame retardant molded epoxy
Terminals	tinned copper
Weight	0.78g

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range	+ 70°C
Temperature Limits	- 55°C + 125°C



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

Vishay Aztronic

TR022 INDUCTORS - STANDARD VALUES						
INDUCTANCE VALUE $\mu$ H	TOLERANCE %	Q MIN.	TEST FREQUENCY 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				4.50	10	200
120				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

**PACKAGING**

Standard: tape packaging  
250 pieces tape in box "Ammopack"  
500 pieces tape and reel.

**MARKING**

Standard: Print marked-manufacturer, inductance value, tolerance, or 4 color bands.

**ORDERING INFORMATION**

TR SERIES	022 STYLE	12 $\mu$ H INDUCTANCE VALUE	$\pm 10\%$ TOLERANCE	R PACKAGING	OPTIONAL COLOR BANDS MARKING
			$\pm 10\%$ $\pm 5\%$ $\pm 2\%$	R: tape and reel B: tape in box "Ammopack"	