

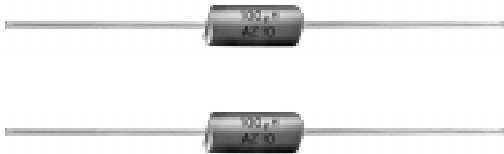


TRB023

Series :
55500 to 55599

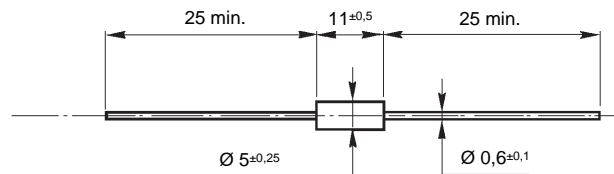
molded shielded inductors LNZ
GAM-T-1
lists

- axial leads
- high frequency and noise suppression applications



These inductors 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.

Shielding gives a 3% coupling limitation between two inductors.



Dimensions in mm

SPECIFICATIONS

MECHANICAL

COATING... molded epoxy compound
TERMINALS... tinned copper
WEIGHT... 1,3 g

ENVIRONMENTAL

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

ELECTRICAL

INDUCTANCE RANGE... 0,1 µH to 1200 µH
TOLERANCE... ± 10% standard
MAXIMUM VOLTAGE... 500 V RMS
POWER RATING... 300 mW at +70°C

MARKING

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

PACKAGING

Standard : tape packaging
250 pieces tape in box "Ammopack"
500 pieces tape and reel
On request : 250 pieces bulk pack.

ORDERING PROCEDURE

SERIES	STYLE	INDUCTANCE VALUE	TOLERANCE	PACKAGING	COLOR BANDS MARKING
TRB	023	270 µH	± 10%	B	optional
			± 10% ± 5% ± 2%	R : tape and reel B : tape in box "Ammopack"	

Inductance value μH	Tolerance %	Q min.	Test frequency MHz	DCR max. Ω	SRF min. MHz	I max. mA
0,10	$\pm 10\%$	50	25	0,008	250	4300
0,12				0,010		3880
0,15				0,025		3440
0,18				0,030		3160
0,22		▼		0,036		2880
0,27		50		0,045		2680
0,33		45		0,065	▼	2110
0,39				0,075	250	2000
0,47				0,10	230	1730
0,56				0,13	220	1620
0,68				0,20	195	1220
0,82			▼	0,26	180	1070
1			25	0,06	145	2210
1,2			7,9	0,08	135	1930
1,5				0,10	118	1730
1,8				0,12	110	1580
2,2				0,14	100	1460
2,7				0,16	85	1360
3,3				0,22	75	1160
3,9				0,25	70	1090
4,7				0,30	63	1000
5,6				0,62	58	755
6,8				0,70	54	655
8,2		▼	▼	0,82	48	605
10		45	7,9	0,90	45	575
12		50	2,5	0,85	40	560
15				0,72	36	545
18				0,82	32	605
22				0,96	28	680
27				1,1	25	620
33				1,2	22	600
39				1,8	20	408
47				2	18	386
56				2,2	17	362
68		▼		2,5	16	348
82		50	▼	3,6	11	290
100		45	2,5	3	10	300
120		45	0,79	3,5	9	290
150		50		4,1	8	270
180		50		4,4	6,5	260
220		55		4,9	5,2	245
270		55		6,4	5	215
330		50		7,4	4,8	205
390		50		8	4,3	195
470		65		12	4	155
560		60		13,8	3,5	145
680		55		16	3,3	140
820		50	▼	16,5	3,1	135
1000	▼	45	0,79	23	2,9	115
1200	$\pm 10\%$	45	0,25	27	2,5	110