• These inductors have copper winding on a bobbin with axial terminals

· Protection by a thermo sleeve

FEATURES

- · Cylindrical shape allows use in automatic cabling machines use
- This inductor series is specially designed for power supply filtering
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

DIMENSIONS in millimeters

28 ± 3 18 max. 28 ± 3 Ø 0.8 Ø7 max.

ELECTRICAL SPECIFICATIONS		
Inductance range	1 μH to 18 000 μH	
Tolerance	± 20 %	
Maximum voltage	500 V _{RMS}	
Measuring conditions	U = 100 mV _{RMS}	

MECHANICAL SPECIFICATIONS			
Coating	Thermo sleeve		
Weight	4 g		

ENVIRONMENTAL SPI	IRONMENTAL SPECIFICATIONS				
Operating temperature range	0 °C to +70 °C				
Temperature limits	-55 °C to +125 °C				

PACKAGING

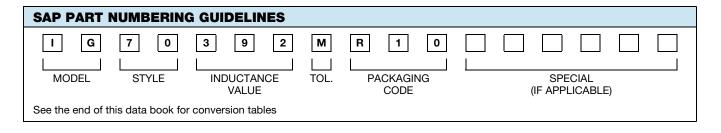
500 pieces tape and reel

MARKING

Print marked:

manufacturer, series and style, inductance value, date code

ORDERING IN	FORMATION				
IG	70	3900 µH	± 20 %	R	e1
MODEL	STYLE	INDUCTANCE VALUE	TOLERANCE	PACKAGING	LEAD FINISH e1: SnAgCu



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RoHS

COMPLIANT



Current Chokes, Axial Leads, Noise Suppression Applications

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IG70

INDUCTANCE VALUE TOLERANCE TEST DCR I						
μH	IOLERANCE %	TEST FREQUENCY	MAX.	MAX.		
$I_{DC} = 0 A$			Ω	Α		
1	± 20 %	1 kHz	0.009	5.3		
1.2	± 20 %	1 kHz	0.010	5		
1.5	± 20 %	1 kHz	0.011	4.8		
1.8	± 20 %	1 kHz	0.012	4.6		
2.2	± 20 %	1 kHz	0.013	4.4		
2.7	± 20 %	1 kHz	0.014	4.2		
3.3	± 20 %	1 kHz	0.016	4		
3.9	± 20 %	1 kHz	0.017	3.8		
4.7	± 20 %	1 kHz	0.022	3.4		
5.6	± 20 %	1 kHz	0.024	3.2		
6.8	± 20 %	1 kHz	0.026	3.1		
8.2	± 20 %	1 kHz	0.028	3		
10	± 20 %	1 kHz	0.033	2.8		
12	± 20 %	1 kHz	0.037	2.6		
15	± 20 %	1 kHz	0.040	2.5		
18	± 20 %	1 kHz	0.044	2.4		
22	± 20 %	1 kHz	0.060	2.2		
27	± 20 %	1 kHz	0.070	1.9		
33	± 20 %	1 kHz	0.075	1.8		
39	± 20 %	1 kHz	0.084	1.7		
47	± 20 %	1 kHz	0.104	1.6		
56	± 20 %	1 kHz	0.130	1.4		
68	± 20 %	1 kHz	0.145	1.3		
82	± 20 %	1 kHz	0.152	1.3		
100	± 20 %	1 kHz	0.208	1.1		
120	± 20 %	1 kHz	0.283	0.94		
150	± 20 %	1 kHz	0.330	0.87		
180	± 20 %	1 kHz	0.362	0.83		
220	± 20 %	1 kHz	0.505	0.70		
270	± 20 %	1 kHz	0.557	0.67		
330	± 20 %	1 kHz	0.650	0.62		
390	± 20 %	1 kHz	0.770	0.57		
470	± 20 %	1 kHz	1.03	0.49		
560	± 20 %	1 kHz	1.14	0.47		
680	± 20 %	1 kHz	1.50	0.41		
820	± 20 %	1 kHz	1.98	0.36		
1000	± 20 %	1 kHz	2.3	0.33		
1200	± 20 %	1 kHz	2.55	0.31		
1500	± 20 %	1 kHz	3	0.29		
1800	± 20 %	1 kHz	4	0.25		
2200	± 20 %	1 kHz	4.40	0.24		
2700	± 20 %	1 kHz	5.80	0.21		
3300	± 20 %	1 kHz	6.56	0.2		
3900	± 20 %	1 kHz	8.63	0.17		
4700	± 20 %	1 kHz	10.1	0.16		
5600	± 20 %	1 kHz	11.2	0.15		
6800	± 20 %	1 kHz	15	0.13		
8200	± 20 %	1 kHz	20.8	0.11		
10 000	± 20 %	1 kHz	23.4	0.1		
12 000	± 20 %	1 kHz	26	0.1		
15 000	± 20 %	1 kHz	36	0.08		
18 000	± 20 %	1 kHz	40	0.08		

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