

SFNR Series



Features

RoHS, Halogen Free and REACH Compliance
Shielded and miniature design
Shielded power inductor
Side soldering process

Applications

Smartphones, tablets and wearable devices
DSC, camcorders
DC/DC converters etc.

Product Identification

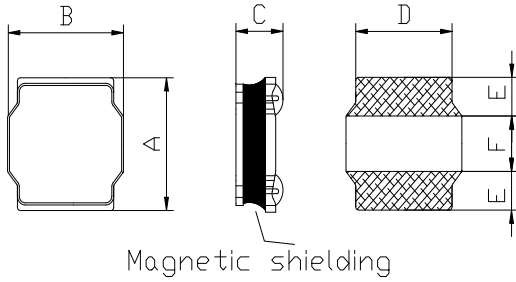
SFNR XXXXXX TL - XXXX
For example:SFNR201610TL-100M

General Specifications

Test Frequency.....1MHz
Test Voltage.....1V
Parameters Test Temp..... 25
Operation Temp.....-40 to +125
(Including temperature Rise)
Storage Temp.....0~40
Storage Humidity.....<70% RH
Resistance to Soldering Heat.....260 for 10 sec
Rated Current.....Ind. drops of 35%typ at Isat
Temperature Rise.....40 typ. at Irms

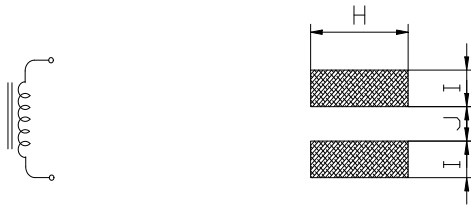
Shape And Dimensions

Dimensions In mm



TYPE	A	B	C	D	E	F	H	I	J
	± 0.2	± 0.2	Max	Ref	Ref	Ref	Ref	Ref	Ref
201610	2.00	1.70	1.05	1.50	0.60	0.80	1.95	1.00	0.40
252010	2.50	2.20	1.05	1.65	0.80	0.90	1.95	1.10	0.60
252012	2.50	2.20	1.25	1.65	0.80	0.90	1.95	1.10	0.60

Electrical Schematic & PAD Lavout



Standard Specifications

Stamp	Inductance (uH)	SFNR201610			SFNR252010			SFNR252012		
		DCR (m) Max	Isat (A)	Irms (A)	DCR (m) Max	Isat (A)	Irms (A)	DCR (m) Max	Isat (A)	Irms (A)
R24	0.24	40.0	4.50	3.15	26.0	5.00	4.40	30.0	6.50	4.50
R33	0.33	50.0	4.20	3.10	35.0	4.80	4.00	36.0	5.30	3.20
R47	0.47	55.0	4.00	3.00	45.0	4.40	3.40	40.0	4.90	3.10
R56	0.56				48.0	3.80	3.10			
R68	0.68	65.0	3.50	2.80	59.0	3.20	3.00	50.0	3.85	3.00
1R0	1.00	96.0	3.35	2.20	76.0	3.10	2.60	60.0	3.80	2.90
1R5	1.50	130	1.95	1.80	106	2.60	2.00	86.0	2.90	2.10
2R2	2.20	195	1.90	1.50	155	1.90	1.80	115	2.60	2.00
3R3	3.30	310	1.40	1.20	235	1.60	1.50	190	1.90	1.70
4R7	4.70	440	1.20	1.00	276	1.30	1.20	235	1.80	1.50
6R8	6.80	540	0.90	0.85	430	1.10	1.00	380	1.15	1.10
100	10.0	826	0.80	0.70	520	0.90	0.85	480	1.10	1.00
220	22.0							1080	0.70	0.65

Note When ordering, please specify tolerance code. Tolerance M=±20% P=±25% N=±30%

*All the data listed in this catalogue are for reference only, JENG SHI reserves the right to alter or revise the specifications without prior notification.

*Beyond the above specification also can meet the special requirements. Need detailed content Please to the website query or contact us.

