

SFP Series



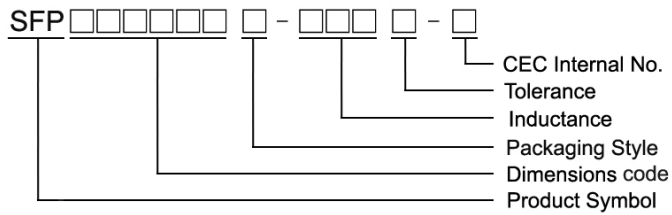
Features

- High current carrying capacity
- Flat wire windings provide exceptionally low DCR

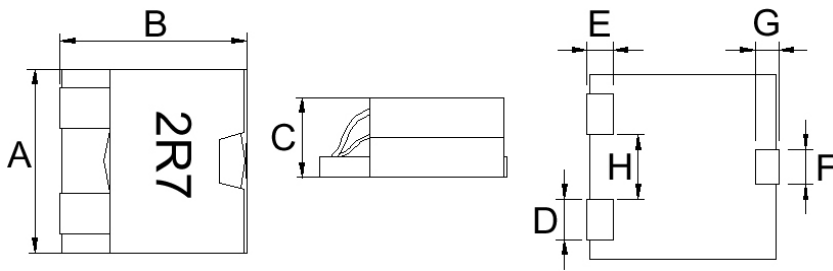
Applications

- High current, low voltage power supply applications
- Audio boost circuit

Product Identification



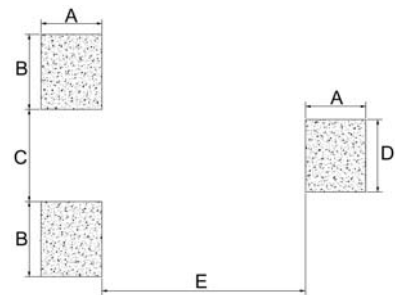
Shape and Dimensions



Dimensions in mm

TYPE	A	B	C	D	E	F	G	H
SFP131306	12.6±0.3	12.7±0.3	5.45±0.35	2.6±0.2	2.0±0.2	2.5±0.2	1.6±0.2	4.3±0.2

Recommended Pattern



Dimensions in mm

TYPE	A	B	C	D	E
SFP131306	2.5	3.1	3.8	3.0	8.4

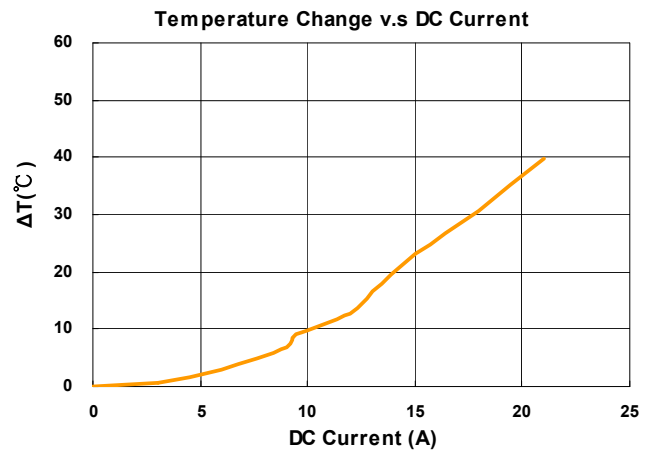
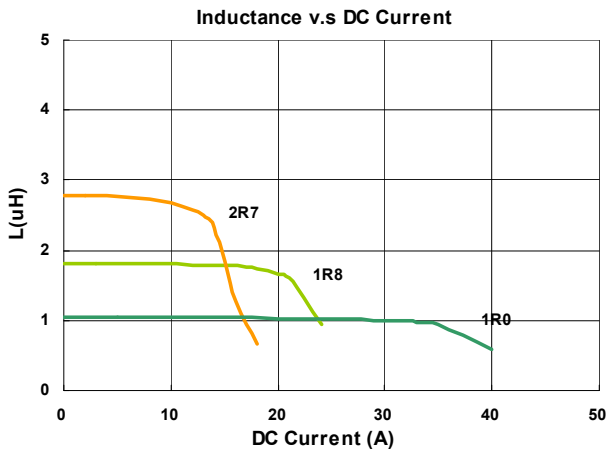
Electrical Characteristics

Part Number	Inductance (μH)	Tolerance ($\pm\%$)	Frequency (kHz)	SRF	RDC	Isat 1	Isat 2	Isat 3	Irms 1 (A)	Irms 2 (A)	Marking
				(MHz) Typ.	(m Ω) Max	(A) Max(Typ)	(A) Max(Typ)	(A) Max(Typ)			
SFP131306T-1R0K-N	1.0	10	100	75	2.6	25(32)	26(33)	27(33.5)	9.5	13	1R0
SFP131306T-1R8K-N	1.8	10	100	50	2.6	14(17)	16(19)	16.5(20)	9.5	13	1R8
SFP131306T-2R7K-N	2.7	10	100	42	2.6	9(12)	10(13)	11(14)	10	13.5	2R7

Note: When ordering, please specify tolerance code. Tolerance: M= $\pm 20\%$

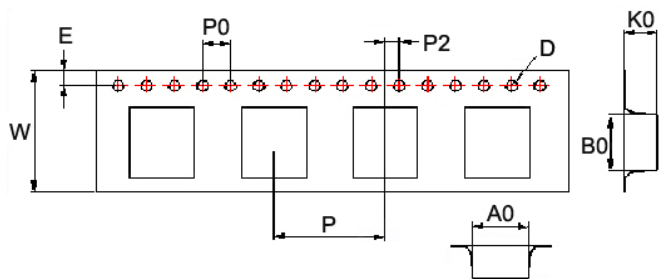
- Operating temperature range - 40°C ~ 125°C(Including self - temperature rise)
- Isat 1 for Inductance drop 10%
- Isat 2 for Inductance drop 20%
- Isat 3 for Inductance drop 30%
- Irms 1 for a 20°C temperature rise from 25°C ambient with current
- Irms 2 for a 40°C temperature rise from 25°C ambient with current
- Measure Equipment :
 L : E4980 or HP4284A , 100kHz/ 0.1V
 RDC : Chroma 16502
 Isat : HP4284A+HP42841A or WK3260B+WK3265B

Test Instruments : HP4294A Impedance / Material Analyzer

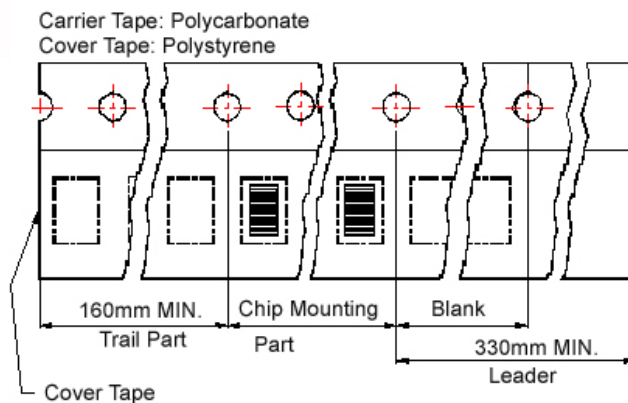


Packaging Specifications

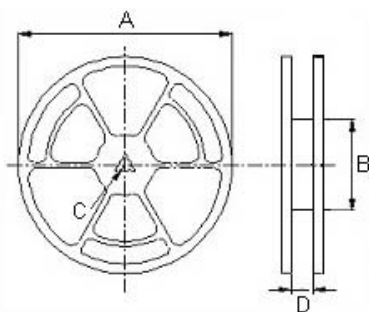
Tape Dimensions



Tape Material



Reel Dimensions



Dimensions in mm

TYPE	Tape Dimensions									Reel Dimensions				Quantity
	A0	B0	K0	D	E	W	P	P0	P2	A	B	C	D	PCS / REEL
SFP131306	13.1	13.2	6.4	1.55	1.75	24	16	4	2	330	100	13	24.4	500