

Telecoil-antennas Inductors

Series AS



FEATURES

Hearing Aid Compatibility-/Telecoil-antennas;suppression performance.
AS20X18 series realizes small size and low profile. 4.4x2.0x2.0 mm.
100% Lead(Pb) & Halogen-Free and RoHS compliant.
Meets the T3 FCC requirements(HAC-Act) acc. ANSI C63.19

APPLICATIONS

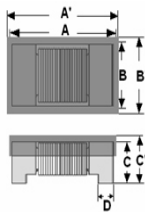
T-coil/HAC-coil for hearing and aid compatible cell phones .
Decoupling in RF and IF-circuit .

PRODUCT IDENTIFICATION

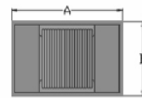
AS 25 K 12 2 S 500R
a b c d e f g

a : Type of products
b : Dimension - 25=3225
c : Materials - K/V
d : Thickness - 12=1.3mm
e : Packing - PCS/REEL - 2=2,000
f : Tolerance - S : ±25%
g : Impedance - 240R=240Ω 500R=500Ω

SHAPES & DIMENSIONS



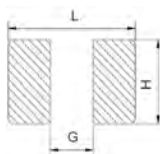
AS20X181K



AS23X181K

Type	12	A'	B	B'	C	C'	D	E
AS20X181K	4.4±0.2	4.4±0.4	2.0±0.2	2.0±0.2	1.8±0.2	1.8±0.3	0.8 ref.	--
AS23X181K	6.4±0.3	--	2.3±0.3	--	1.8±0.3	--	0.9 ref.	0.5 ref.

LAND PAD



L	G	H
4.8	3.2	2.3
7.0	4.6	2.0

ELECTRICAL CHARACTERISTICS

Part Number	Inductance (μH) ±10%	Test Frequency (KHz)	SRF MHz (min.)	RDC(Ω) ±10%	Rated Current (mA)max.
AS20X181K 2M5	2500	10	1	82	40
AS20X181K 3M5	3500	10	1	85	20
AS23X181K 0M7	700	10	2.45	12	80

Unit : mm

Note:

- ◆ Test frequency : Inductor(L) : 10KHz /0.1V;
- ◆ All test data referenced to 25°C ambient.
- ◆ Testing Instrument : L/Q: Agilent-4192A, Agilent-16334A ; Irms:CH3302,CH1320 ; SRF: Agilent-4291B ; Rdc: Agilent-34420A
- ◆ Rated Current (Irms) will cause the coil temperature rise approximately Δt of 20°C . The part temperature (ambient + temp rise) should not exceed 85°C under worst case operating conditions. Circuit design,component,PCB trace size andthickness,airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
- ◆ Special inquiries besides the above common used types can be met on your requirement.