



Transponder Inductor

GAS8027F-SERIES

1.Features

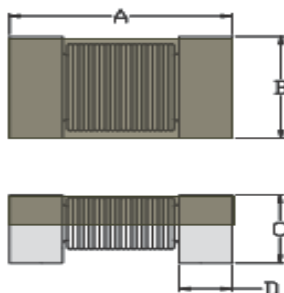
1. Hearing Aid Compatibility-/Telecoil-antennas;
2. GAS8027F-series realizes small size and low profile. 7.85x2.7x2.7 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Meets the T3 FCC requirements(HAC-Act) acc. ANSI C63.19
5. Operating temperature -40~+125°C (Including self - temperature rise)



2. Applications

1. T-coil/HAC-coil for hearing and aid compatible cell phones .
2. Decoupling in RF and IF-circuit .
3. Transponder antenna .

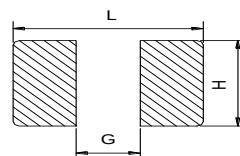
3. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)
GAS8027F	7.85max	2.7max	2.7max	1.15 ref.

Units : mm

Recommend PC Board Pattern



L(mm)	G(mm)	H(mm)
9.5	5.2	2.9

4. Part Numbering

GAS	8027	F	-	722	J
A	B	C		D	E

A: Series

B: Dimension

C: Lead Free Code

D: Inductance

E: Inductance Tolerance

722=7.2 mH

J=±5%

5. Specification

Part Number	Inductance (mH) ±5%	Test Frequency (Hz)	Q Typ.	RDC (Ω) max	Rated current (mA) max.
GAS8027F-452J	4.5	125K	30	80	20
GAS8027F-492J	4.9	125K	30	85	20
GAS8027F-722J	7.2	125K	35	105	20
GAS8027F-193J	18.52	125K	35	240	20