

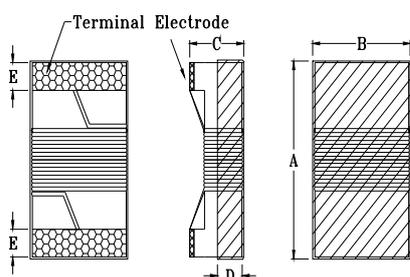
High Frequency Winding Type Chip Inductor SWI0805UV-R68J-DC

1. Features

1. Ceramic core wire wound construction.
2. No batch to batch variations in inductance.
3. High Reliability due to ceramic wire wound construction.
4. High frequency application.
5. Small footprint as well as low profile.
6. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
7. High reliability -Reliability tests comply with AEC-Q200.
8. Operating temperature-55~+125°C (Including self - temperature rise).



2. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
SWI0805	2.29 max.	1.73 max.	1.52 max.	0.51 ref.	0.44±0.10

Unit: mm

3. Part Numbering

SWI	0805	U	V	-	R68	J	-	DC
A	B	C	D		E	F		G

- A: Series
 B: Dimension LxW
 C: Material
 D: Category Code V=Vehicle
 E: Inductance R68=680nH
 F: Inductance Tolerance J=±5%
 G: Control S/N

4. Specification

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq. min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI0805UV-R68J-DC	680	J	0.1V/25M	23/50	190	2.20	188

Note:

- All test data referenced to 25°C ambient.
- DC current at 25°C that causes the specified inductance drop from its value without current.
- Current that causes the specified temperature rise from 25°C ambient.

This information is for reference only and does not represent absolute maximum ratings.

5. Materials

No.	Description	Specification
a.	Upper Plate	UV Glue
b.	Core	Ceramics Core
c.	Termination	Ag/Ni/Sn
d.	Wire	Enameled Copper Wire

