

SPECIFICATION FOR APPROVAL

CUSTOMER:

CUSTOMER' S PART NO. :

DESCRIPTION:

QUANTITY:

PART NO.: TSDR2811-2R2N

DATE: 2016.06.30

REMARK:

CUSTOMER SIGNATURE

APPROVED BY	DRAWN BY
Tywin Yin	Candice Yang/Hannah Zhou

*Samples meet RoHS and
Lead-free requirement*

KOHER

KOHER (Shanghai) Electronic Co.,Ltd



SPECIFICATION FOR APPROVAL

CUSTOMER		PART NO.	TSDR2811-2R2N
Cus.'s PART NO.		PAGE NO	2 of 3
DESCRIPTION		DATE	2016.06.30

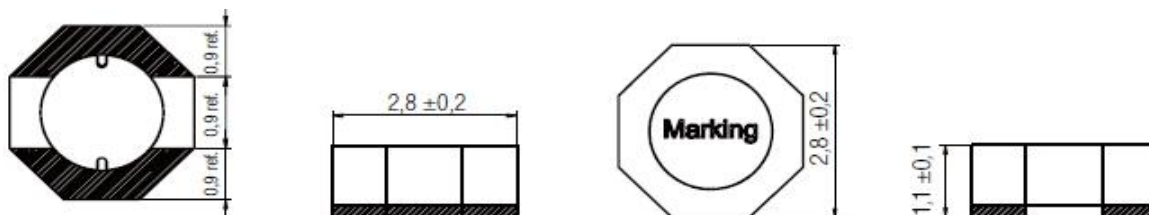
1. Features

- Extremely flat power inductor
- High current capability
- Magnetically shielded which results in a low leakage field
- Recommended solder profile: Reflow
- Operating temperature: $-40\text{ }^{\circ}\text{C}$ to $+125\text{ }^{\circ}\text{C}$

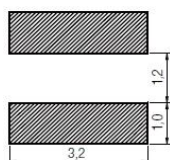
2. Applications

- Portable power like PDA, digital camera, PCMCIA cards and displays
- DC/DC converter
- Embedded PC
- Mobile data gathering, telemetric

3. Dimensions(in mm)



Land Pattern(in mm)





SPECIFICATION FOR APPROVAL

CUSTOMER		PART NO.	TSDR2811-2R2N
Cus.'s PART NO.		PAGE NO	3 of 3
DESCRIPTION		DATE	2016.06.30

4. Specification

Part Number	L (μH)	Tolerance (%)	I_R (A)	I_{sat} (A)	$R_{\text{DC typ.}}$ ($\text{m}\Omega$)	$R_{\text{DC max.}}$ ($\text{m}\Omega$)	Core Material
TSDR2811-2R2N	2.2	± 30	1.30	1.0	125	155	NiZn

Note:

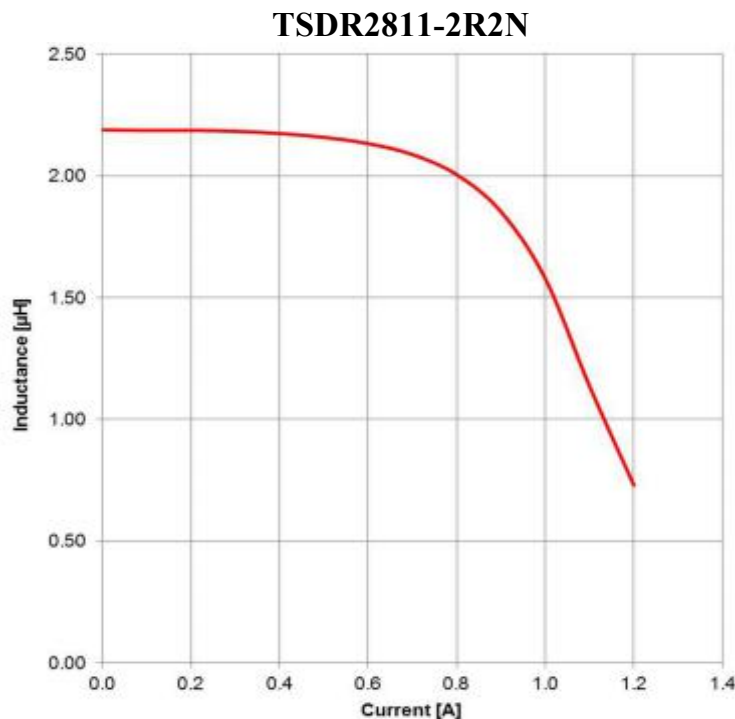
I_R referring to 40 K self-heating above ambient temperature.

I_{sat} referring to inductance loss of 35% typ.

It is recommended that the temperature of the part does not exceed 125°C under worst case operating conditions.

- Ambient temperature: -40°C to +85°C (referring to I_R)
- Operating temperature: -40°C to +125°C
- Storage temperature (on tape & reel): -20°C to +40°C; 75% RH max.
- Test conditions of Electrical Properties: 20°C, 33% RH, if not specified differently

5. Typical Performance Curves



6. Standard Packing Quatity

1500pcs/Reel

KOHER (Shanghai) Electronic Co.,Ltd