SPECIFICATION FOR APPROVAL

CUSTOMER:

CUSTOMER’S PART NO. :

DESCRIPTION:

QUANTITY:

PART NO.: **TSDR6823-152N**

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 (Shanghai) Electronic Co.,Ltd

SPECIFICATION FOR APPROVAL

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Cus.'s PART NO.		**PAGE NO.**	1 of 3
DESCRIPTION		**DATE**	2016.06.30

HISTORY:

Revision Date	Revision Descriptions	Approved	Revision
2016.06.30	New release	Tywin Yin	1.0

KOHER （Shanghai） Electronic Co.,Ltd

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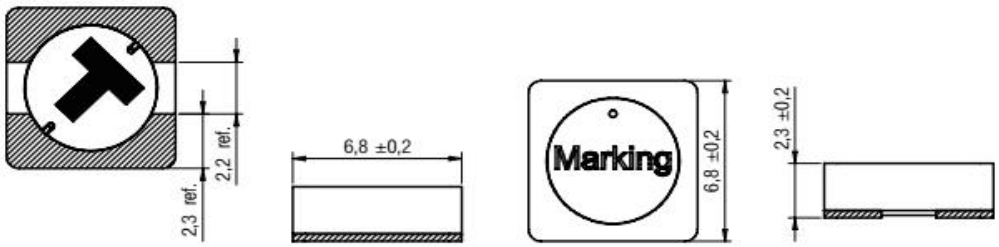
1. Features

- Extremely flat power inductor
- High current capability
- Magnetically shielded which results in a low leakage field
- Recommended solder profile: Reflow
- Operating temperature: –40 °C to +125 °C

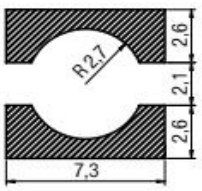
2. Applications

- 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)



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4. Specification

Part Number	L (μH)	Tolerance (%)	I_R (A)	I_{sat} (A)	$R_{DC\ typ.}$ (mΩ)	$R_{DC\ max.}$ (mΩ)	Core Material
TSDR6823-152N	1500	±30	0.08	0.11	7000	8000	NiZn

Note:

I_R referring to 30 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 +95°C (refering to I_R)

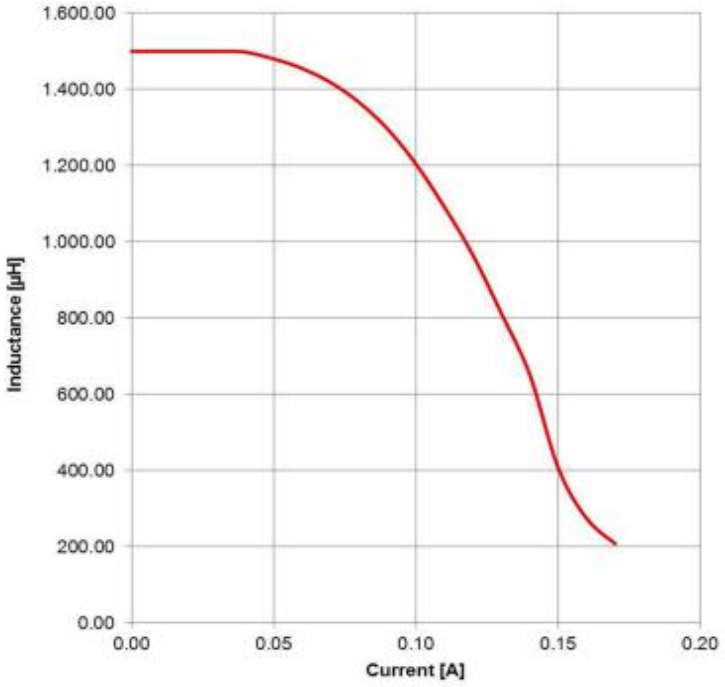
•Operating temperature: -40°C to +125°C

•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

TSDR6823-152N



6. Standard Packging Quatity

500pcs/Reel

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

KOHERelec:

MDA1050-470M MDA1870-6R8M MDA7050-2R2M NRSE8065-103M MDA1350-330M MDA5030-100M MDA7050-220M MDE0650-100M NRSC3015-1R5N NRSE5020-4R7M MDA1054HT-150M MDA1054HT-680M MDA1870-4R7M MDE1040-680M MDA1040-220M MDA4020-1R0M NRSE5040-220M THC2815-3R3M THC2815-2R2M MDE0320-100M MDE0630-330M NRSE5040-6R8M THC2815-4R7M MDA1050-3R3M MDA7050-6R8M MDE0420-2R2M MDA1040-1R0M MDA1870-100M MDA1870-1R0M MDA7030-2R2M