产品承认书
SPECIFICATION FOR APPROVAL

客户名称:
CUSTOMER

我司料号:
OUR PART NO. **XRRF7342-6R8M**

我司品名:
OUR PART NAME **Smd Coupling Inductor**

送样日期:
DATE SAMPLES _____ 数 量:
QUANTITY _____

制造确认 MANUFACTURER APPROVE		
拟制 DRAWN	审核 CHECKED	确认 APPROVED
Hu Fangting	RaoPing	LiZhengxiong

客户确认 CUSTOMER APPROVE

客户名称 CUSTOMER NAME:

客户料号 CUSTOMER P/N:

规格型号 DESCRIPTION: XRRF7342 6.8uH ±20% 3.9A

检查結果: □ 合格 □不合格 签名及盖章:

INSPECT RESULT ACCEPT REJECT SIGNATURE AND STAMP

说明 REMARK:

如对本承认书内容有异议请提出或标记发送至我司，本承认书在未收到异议回复时于本承认书提供一周后生效。

If you have any objection to the contents of this acknowledgment, please raise it or send the mark to us. The acknowledgment will become effective one week after the acknowledgment is provided in the absence of any objection.

东莞市祥如电子有限公司

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Email：dgxiangru@126.com

产品承认书
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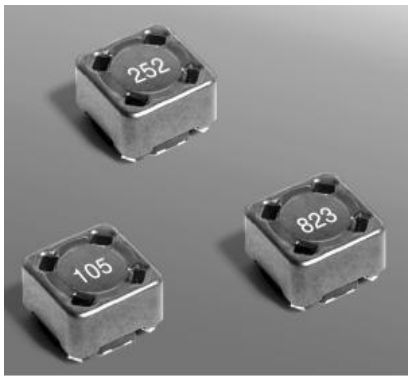
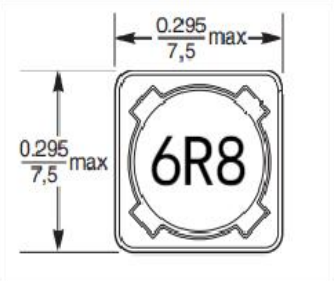
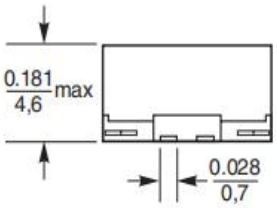
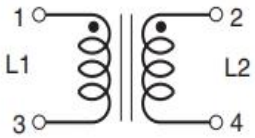
客户名称 CUSTOMER		日期 DATE	2025/8/10
客户物料编号 CUSTOMER P/N		客户规格型号 DESCRIPTION	XRRF7342 6.8uH ±20% 3.9A
我司物料编号 OUR PART NO	XRRF7342-6R8M	我司品名 OUR PART NAME	Smd Coupling Inductor

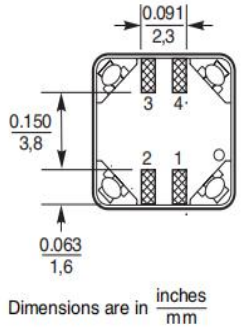


- Tight coupling (k ≥ 0.97) and 200V isolation make the MSD7342 series of coupled inductors ideal for use in a variety of circuits including flyback, multi-output buck and SEPIC.
- They provide high inductance, high efficiency and excellent current handling in a rugged, low cost part.
- Can also be used as two single inductors connected in series or parallel, as a common mode choke or as a 1:1 transformer.

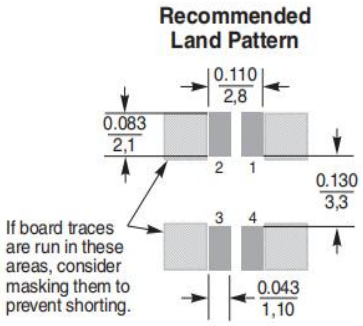


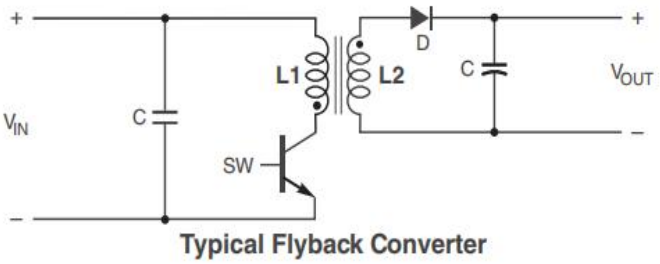




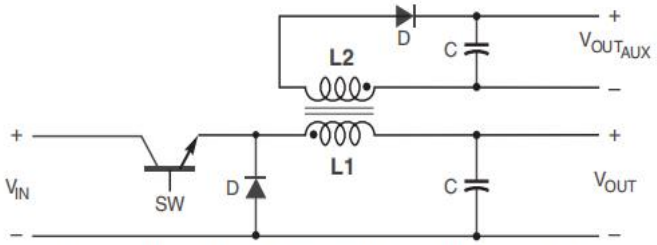


Dimensions are in inches / mm

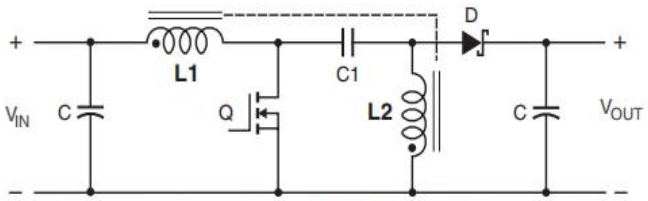




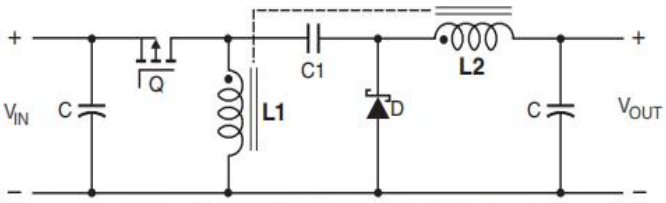
Typical Flyback Converter



Typical Buck Converter with auxiliary output



Typical SEPIC schematic



Typical Zeta schematic

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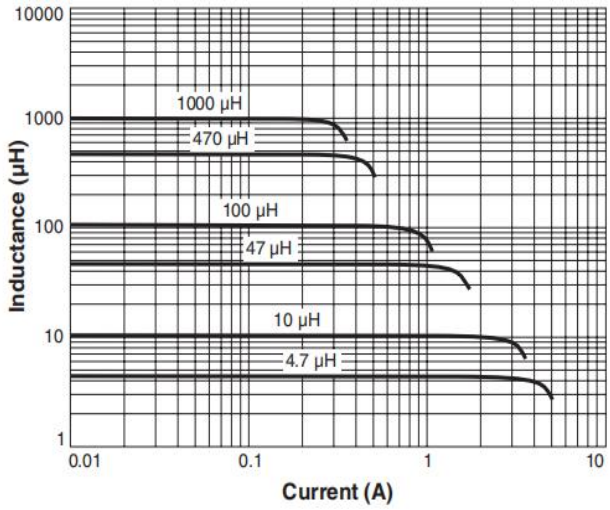
我司物料编号 OUR PART NO	XRRF7342-6R8M	我司品名 OUR PART NAME	Smd Coupling Inductor

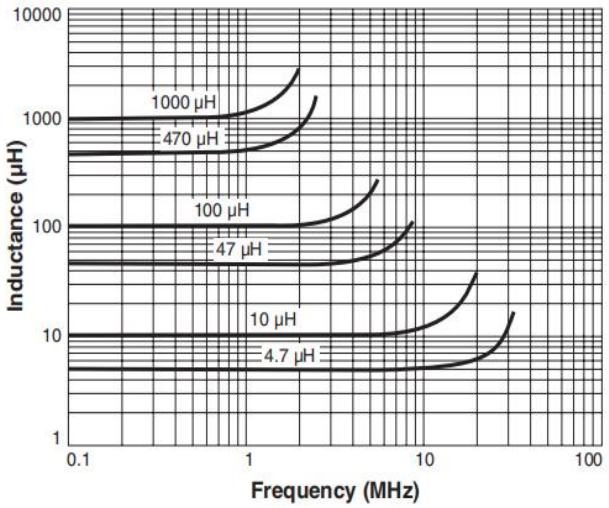
电性参数 Electrical parameters：

PART NO.	Inductance[2] ±20%(uH)	DCR max[3] (Ω)	SRF typ[4] (MHz)	Coupling coefficient typ	Leakage L typ[5] (uH)	Isat (A)[6]			Irms (A)	
						10% drop	20% drop	30% drop	both windings[7]	one winding[8]
XRRF7342-6R8M	6.8	0.07	30	0.99	0.14	3.70	3.80	3.90	1.49	2.10

Typical L vs Current：



Typical L vs Frequency：



1.Termination: L = RoHS compliant matte tin over nickel over phos bronze.
Special order: T = RoHS tin-silver-copper (95.5/4/0.5) or S = non-RoHS tin-lead (63/37).
2. Inductance shown for each winding, measured at 100 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4284A LCR meter or equivalent. When leads are connected in parallel, inductance is the same value. When leads are connected in series, inductance is four times the value.
3. DCR is for each winding. When leads are connected in parallel, DCR is half the value. When leads are connected in series, DCR is twice the value.
4. SRF measured using an Agilent/HP 4191A or equivalent. When leads are connected in parallel, SRF is the same value.
5. Leakage inductance is for L1 and is measured with L2 shorted.
6. DC current, at which the inductance drops the specified amount from its value without current. It is the sum of the current flowing in both windings.

Core material Ferrite：
1.Core and winding loss Go to online calculator.
2.Terminations RoHS compliant matte tin over nickel over phos bronze. Other terminations available at additional cost.
3.Weight 0.76 – 0.87g.
4.Ambient temperature –40°C to +85°C with (40°C rise) Irms current.
5.Maximum part temperature +125°C (ambient + temp rise).
6.Storage temperature Component: –40°C to +125°C；
Tape and reel packaging: –40°C to +80°C；
7.Winding to winding isolation 200 Vrms, one minute.
8.Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles.
9.Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity).
10.Failures in Time (FIT) / Mean Time Between Failures (MTBF) 38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332.
11.Packaging 250/7″ reel; 1000/13″ reel Plastic tape: 16 mm wide, 0.4 mm thick, 12 mm pocket spacing, 4.9 mm pocket depth.
12.PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.