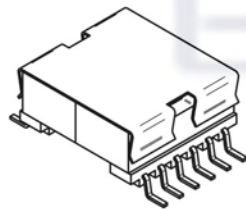
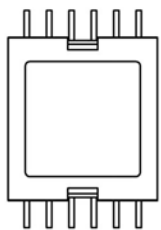
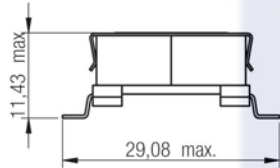
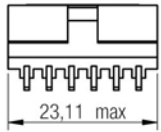
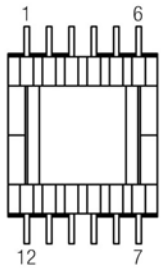


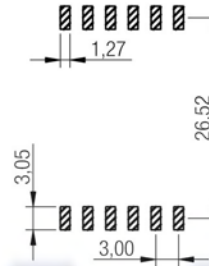


A Dimensions: [mm]



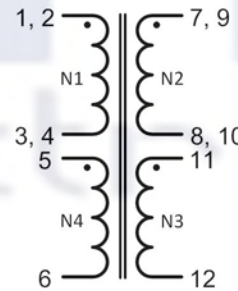
Scale - 1:1

B Recommended land pattern: [mm]



Scale - 1:1

C Schematic:



D Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance	100 kHz/ 100 mV	L	57	μH	±10%
Turns ratio		n	8 : 1 : 2		±3%
Saturation current	$I_{\Delta L/L} < 20\%$	I_{sat}	4.7	A	typ.
DC Resistance 1	@ 20°C	R_{DC1}	60	mΩ	max.
DC Resistance 2	@ 20°C	R_{DC2}	350	mΩ	max.
DC Resistance 3	@ 20°C	R_{DC3}	8.0	mΩ	max.
DC Resistance 4	@ 20°C	R_{DC4}	350	mΩ	max.
Leakage inductance	100 kHz/ 100 mV	L_S	1.2	μH	max.
Insulation test voltage	N1,4 => N2,3	U_T	1500	V (AC)	

E General information:

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

- Storage Temperature: -20°C to 60°C
- Operating Temperature: -40°C to 125°C
- Test conditions of Electrical Properties: 20°C, 33% RH if not specified differently

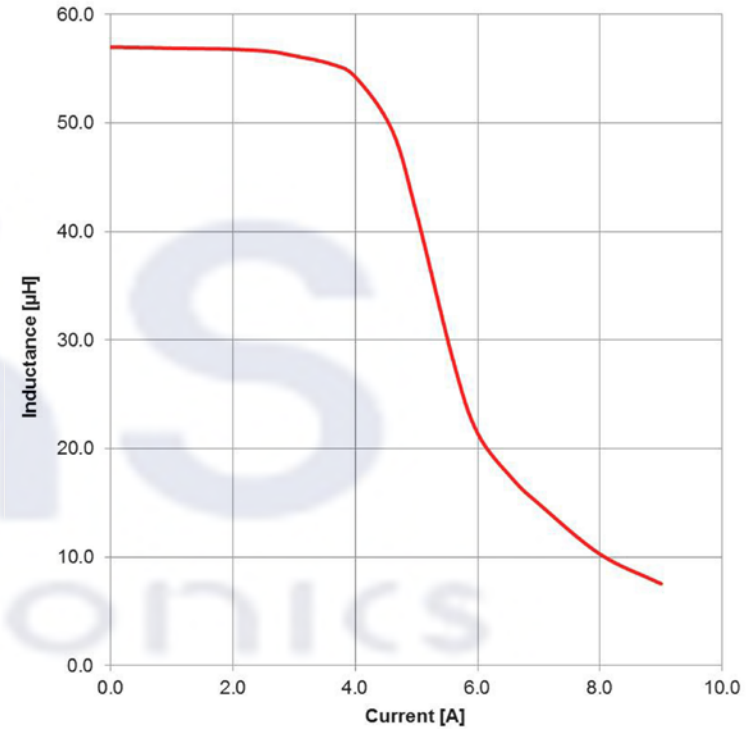
				Projection 	DESCRIPTION
					Power over Ethernet Plus Transformer
				Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913	Order.- No.
	2014-01-27			FKS Electronics	FKS750310925
					SIZE
					A4
	DATE				Size: EFD20



D2 Application Properties:

Properties		Value	Unit
Input voltage (N1)	U_i	36-72	V (DC)
Output voltage 1 (N2)	U_{O1}	3.3	V
Output current 1 (N2)	I_{O1}	9.0	A
Output voltage 2 (N3)	U_{O2}	6.5	V
Output current 2 (N3)	I_{O2}	0.05	A
Auxiliary voltage (N4)	U_{aux}	6.5	V
Switching frequency	f_{switch}	250-400	kHz

F1 Typical Inductance vs. Current Characteristics:



				Projection 	DESCRIPTION
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	2014-01-27				SIZE A4
	DATE				Size: EFD20

