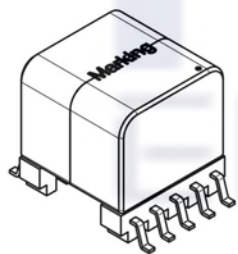
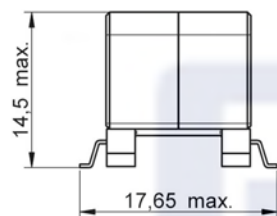
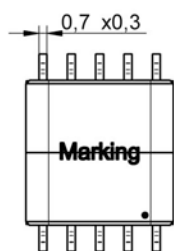
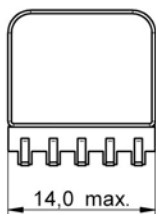
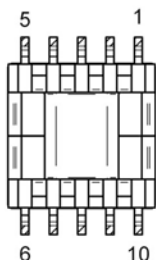
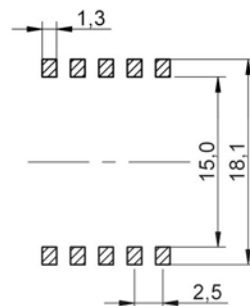


A Dimensions: [mm]



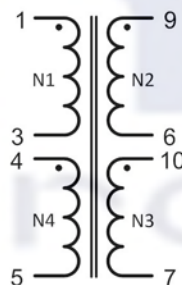
Scale - 1,5:1

B Recommended land pattern: [mm]



Scale - 1,5:1

C Schematic:



D Electrical Properties:

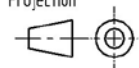
Properties	Test conditions		Value	Unit	Tol.
Inductance	100 kHz/ 100 mV	L	48	μH	±10%
Turns ratio		n	5.33:1:1:2		±3%
Saturation current	$I_{\Delta L/L} < 20\%$	I_{sat}	3.6	A	typ.
DC Resistance 1	@ 20°C	R_{DC1}	70	mΩ	max.
DC Resistance 2	@ 20°C	R_{DC2}	10	mΩ	max.
DC Resistance 3	@ 20°C	R_{DC3}	10	mΩ	max.
DC Resistance 4	@ 20°C	R_{DC4}	100	mΩ	max.
Leakage inductance	100 kHz/ 100 mV	L_S	0.7	μH	max.
Insulation test voltage	prim => sec	U_T	1500	V (AC)	
Insulation test voltage	N2 => N3, N1 => N4	U_T	500	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



Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
FKS(Xi'an) Electronic Technology Co.,Ltd.
Address: B1 Building,Western Cloud Valley,Fengsi New Town,
Xidian New Area,Xi'an City, Shaanxi Province,China.
Tel: +86-29-8868 5333
Fax: +86-29-8868 0913

FKS
Electronics

DESCRIPTION

Power over Ethernet High Power Transformer

Order.- No.

FKS749119550



SIZE

A4

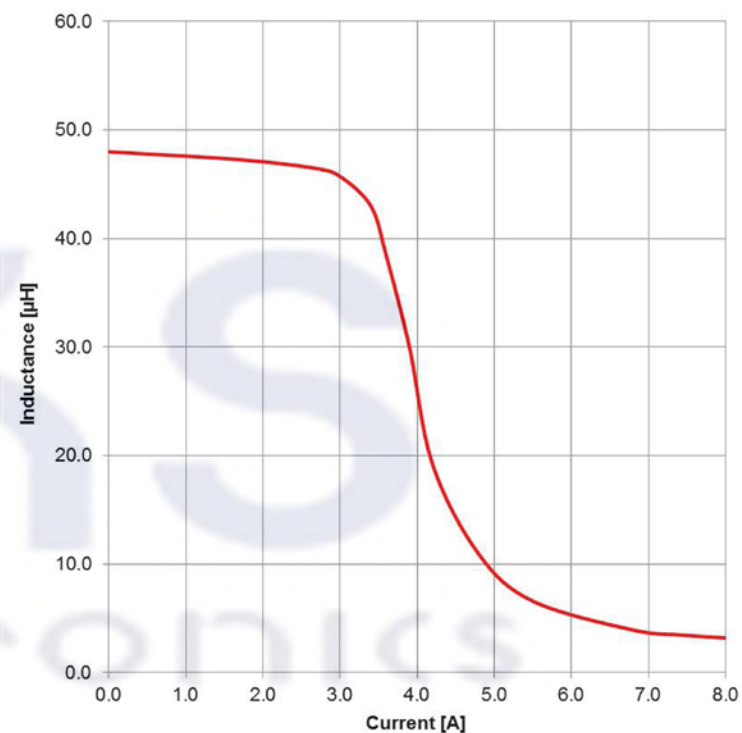
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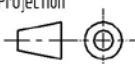
2014-08-04

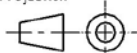
DATE

D2 Application Properties:

Properties		Value	Unit
Input voltage (N1)	U_i	33-57	V (DC)
Output voltage 1 (N2)	U_{O1}	5	V
Output current 1 (N2)	I_{O1}	3	A
Output voltage 2 (N3)	U_{O2}	5	V
Output current 2 (N3)	I_{O2}	3	A
Auxiliary voltage (N4)	U_{aux}	10	V
Switching frequency	f_{switch}	200-400	kHz

F1 Typical Inductance vs. Current Characteristics:


				Projection 		DESCRIPTION	
						Power over Ethernet High Power Transformer	
				Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(X'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,X'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913		Order.- No.	
				 		FKS749119550	
						 COMPLIANT RoHS&REACH	SIZE
						Size: EPQ13	A4

				Projection	DESCRIPTION Power over Ethernet High Power Transformer
					
				Shaanki FKS Electronic Parts Import&Export Co.,Ltd. FKS(X'an) Electronic Technology Co.,Ltd.	
				Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,X'an City, Shaanki Province,China.	
				Tel: +86-29-8868 5333 Fax: +86-29-8868 0913	
				 	
	2014-08-04				Order.- No. FKS749119550
	DATE				 COMPLIANT RoHS&REACH
					SIZE A4
					Size: EPQ13