



## SMD Current Sense Transformer ~ EE5XFS-LF Series



### FEATURES

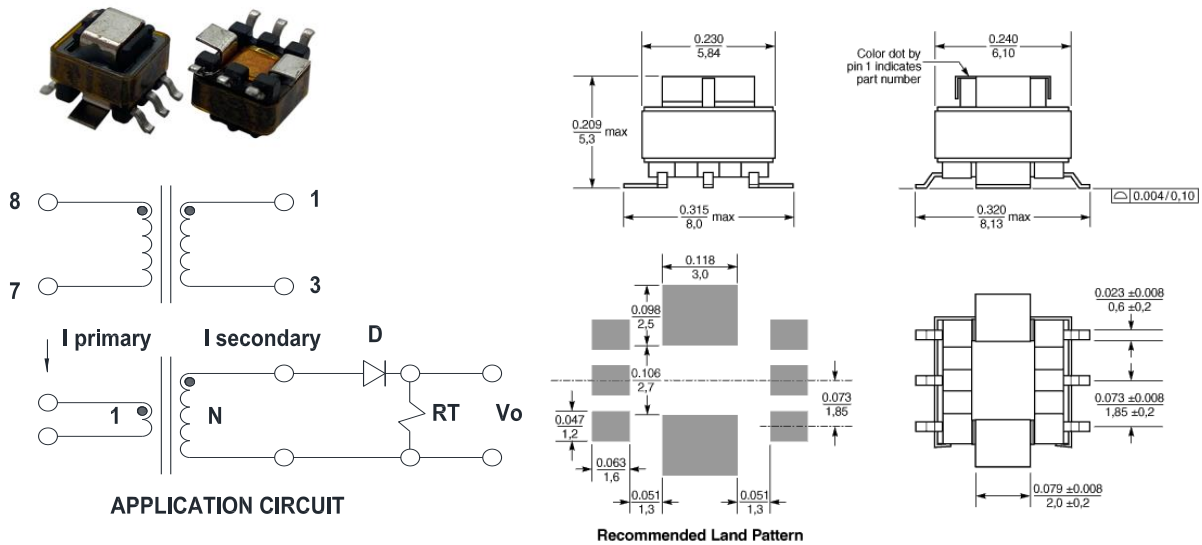
1. Height: 5.1mm NOM ( 5.3mm Max ) , Footprint: 8.4mm\*7.2mm Max
2. Senses current to greater than 20 Amps
3. Frequency Range: 50kHz to 1MHz
4. 500 V isolation winding to winding
5. 8 different turns ratios to meet variety of requirements
6. RoHS-compliant. 260°C compatible.

### PART NUMBERING SYSTEM

<b>EE</b>	<b>5XFS</b>	<b>— 2925</b>	<b>— LF</b>
TYPE	DIMENSIONS	MODEL	LEAD FREE

### SHAPES AND DIMENSIONS

UNIT : mm



### SPECIFICATION TABLE

PART NUMBER	OCL(1-3) $\mu$ H @ 0A	DCR(ohm) MAX (Pri : Sec)	Senses current Iin(A)	Turns ratio (Pri : Sec)	Out Put (Pri : Sec)
EE5XFS-800-LF	81 Min.	6 : 550	20	1 : 20	3.3V ; 4.5A
EE5XFS-181-LF	180 Min.	6 : 870	20	1 : 30	5.0V ; 3.0A
EE5XFS-321-LF	320 Min.	6 : 1140	20	1 : 40	12V ; 1.25A
EE5XFS-501-LF	500 Min.	6 : 1500	20	1 : 50	3.3V ; 4.5A
EE5XFS-731-LF	730 Min.	6 : 2250	20	1 : 60	5.0V ; 3.0A



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EE5XFS-981-LF	980 Min.	6 : 4750	20	1 : 70	12V ; 1.25A
EE5XFS-202-LF	2000 Min.	6 : 5500	20	1 : 100	3.3V ; 4.5A
EE5XFS-302-LF	3000 Min.	6 : 6500	20	1 : 125	3.3V ; 4.5A

- Inductance measured across secondary at 100 kHz, 0.1 Vrms.
- Ambient temperature range: -40°C to +105°C
- Storage temperature range: Component: -40°C to +85°C
- Resistance to soldering heat: Three reflows at >217°C for 90 seconds (+260°C  $\pm$ 5°C for 20 – 40 seconds), allowing parts to cool to room temperature between.
- Automotive grad available
- Full automated production line