

SMD CURRENT SENSE TRANSFORMERS

EE5 Platforms



Features

- Rating current up to 10A
- Frequency up to 500kHz
- 500Vrms isolation between primary and secondary
- Custom designs available



Application

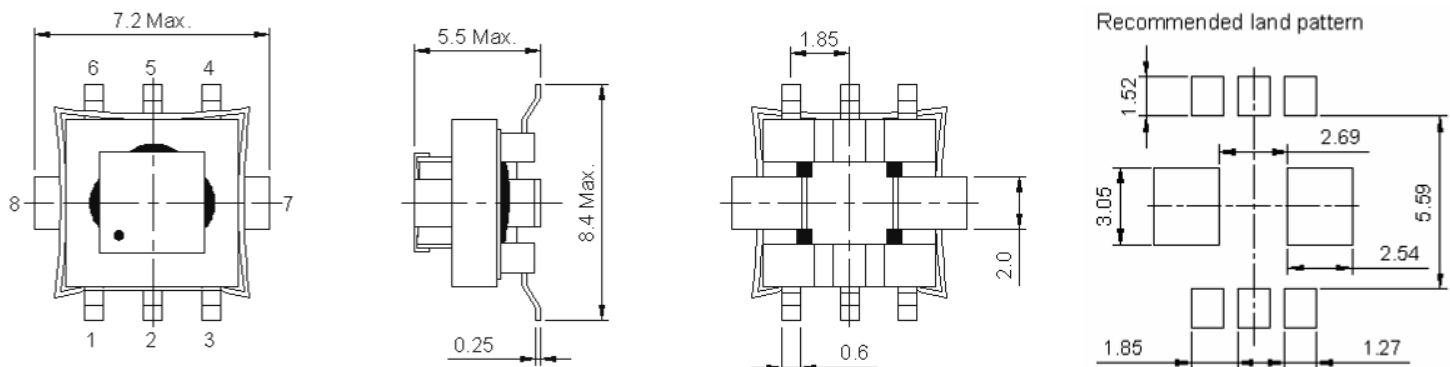
- Senses for SMPS, Feedback Control, Overload sensing, Load drop/shut down detection

Electrical Specifications @25°C

Ordering Code	Turns Ratio	Secondary Inductance (mH Min.)	D.C.R. (Ω Max.)		Rated Current (A)	Isolation Voltage	Terminating Resistance to produce $1V_{out}/1A_{IN}$
			Primary	Secondary			
EE5020	1:20	0.08	0.007	0.550	10	500Vrms	20 Ω
EE5030	1:30	0.18	0.007	0.850	10	500Vrms	30 Ω
EE5040	1:40	0.32	0.007	1.120	10	500Vrms	40 Ω
EE5050	1:50	0.50	0.007	1.500	10	500Vrms	50 Ω
EE5060	1:60	0.72	0.007	1.800	10	500Vrms	60 Ω
EE5070	1:70	0.98	0.007	4.500	10	500Vrms	70 Ω
EE5100	1:100	2.00	0.007	5.500	10	500Vrms	100 Ω
EE5125	1:125	3.00	0.007	6.500	10	500Vrms	125 Ω
EE5150	1:150	4.30	0.007	17.000	10	500Vrms	150 Ω
EE5200	1:200	8.00	0.007	32.000	10	500Vrms	200 Ω

1. Operating Temperature: -40°C ~ +125°C (Includes temperature when the coil is heated).

Mechanical (mm)



Schematic

