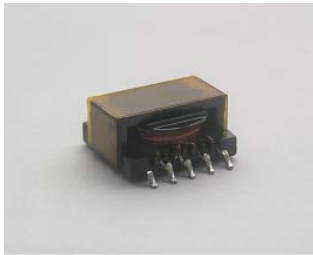


SMT TRANSFORMER ER14.5

9/13/2006



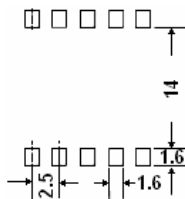
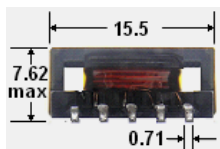
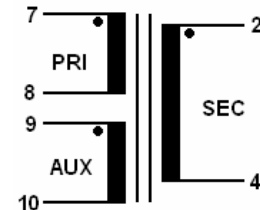
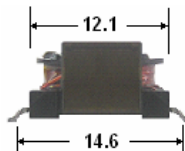
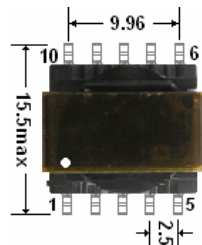
- All materials Meets UL requestment.
- Package with stands 235°C IR reflow
- Pb free and RoHS compliant add suffix code "-E".
- Custom designs available

Electrical Specification @ 25 °C, Operating Temperature -20°C to 85°C

Part Number	Primary Inductance	Leakage max	Turns Ratio				DCR (mΩmax)				Pri to Sec Isolation	Aplication
			Pri	Aux	Sec 1	Sec 2	Pri	Aux	Sec 1	Sec 2		
MTC1450-01-E	155μH min	5μH	1	0.462	0.153	N/A	660	740	21	N/A	1500 Vac	7.5W Freq: 250KHz Vin: 36~65V Vout: 5V/1.5A 15V/30mA
MTC1450-02-E	155μH min	5μH	1	0.5	0.114	N/A	660	820	10	N/A	1500 Vac	7.5W Freq: 250KHz Vin: 36~65V Vout: 3.3V/2.25A 16V/30mA
MTC1450-03-E	155μH min	5μH	1	0.269	0.114	N/A	660	440	10	N/A	1500 Vac	8.5W Freq: 250KHz Vin: 36~65V Vout: 3.3V/2.57A 8V/20mA

Mechanical:

Schematic:



Suggested pad layout

Technical Data

Rate inductance
DC resistance
Climatic category

at+20C and 200KHz 0.1V
at+25 C
(-40C to +125C , HUMIDITY cat.C)

