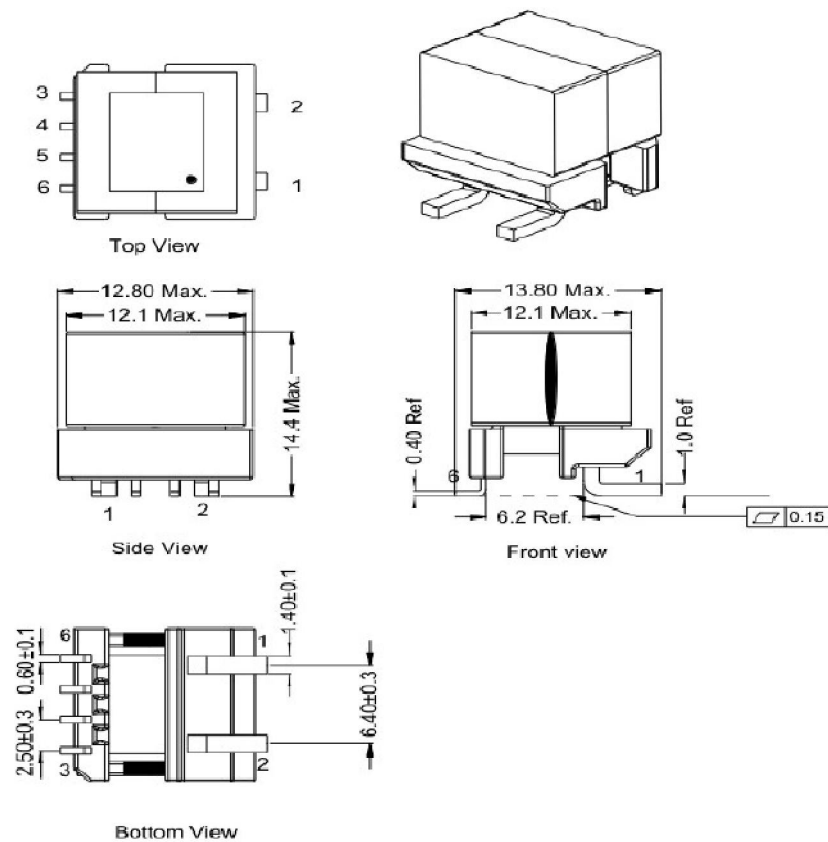
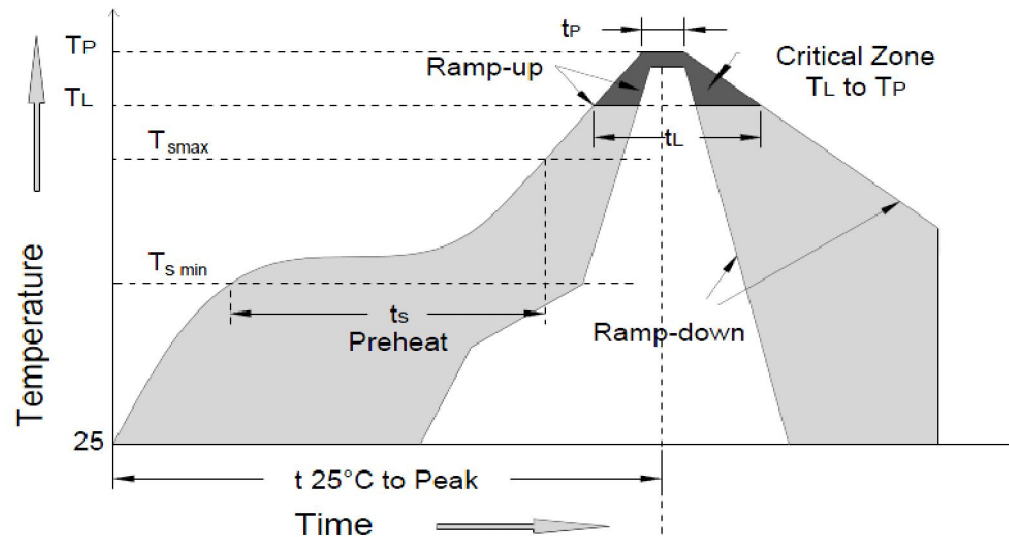


EP10 SERIES/40A @T_a=25°C

Part Number	Turns RATIO (N) Pri : Sec	Rating Current (A)	DCR MAX (mΩ)		Inductance (Sec) (mH MIN) 100kHz/0.1V)	Isolation Voltage (Vrms)
			Pri	Sec		
EP10-50	1 : 50	40	0.5	1500	1.7	3750
EP10-70	1 : 70	40	0.5	2100	3.0	3750
EP10-100	1 : 100	40	0.5	3100	7.0	3750
EP10-125	1 : 125	40	0.5	4000	11.0	3750
EP10-180	1 : 180	40	0.5	9000	25.0	3750
EP10-200	1 : 200	40	0.5	10400	32.0	3750

								TITLE SMT CURRENT SENSE TRANSFORMER	
								DWG. NO.	
								EP10/40 A SERIES	
A	RELEASE	11/18/2024	SHIRLEY	DICK	DICK	UNITS: M/M	SAFETY		SHEET 1 of 2
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE 11/18/2024	P/N:		DRAW SHIRLEY
REVISIONS									

Recommended Reflow Profile



MSL:

Grade: 1 level. Floor life: 0.5 year Condition: $\leq 30^\circ\text{C}/60\%\text{RH}$.

Ramp up rate = 3°C/s max Ramp down rate = 6°C/s max

$T_L = 217^\circ\text{C}$ $t_L = 60\text{s} - 150\text{s}$ $T_p = 250 \pm 3^\circ\text{C}$ Time within 5°C of actual Peak Temperature

(t_p): 20~40s

$T_{s\ min} = 150^\circ\text{C}$ $T_{s\ max} = 200^\circ\text{C}$ $T_{s\ min}$ to $T_{s\ max}$: 60s-180s, 25°C to peak Temperature:

8minutes max

								TITLE SMT CURRENT SENSE TRANSFORMER	
								DWG. NO. EP10/40 A SERIES	
A	RELEASE	11/18/2024	SHIRLEY	DICK	DICK	UNITS: M/M	SAFETY		SHEET 2 of 2
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE 11/18/2024	P/N:		DRAW SHIRLEY
REVISIONS									