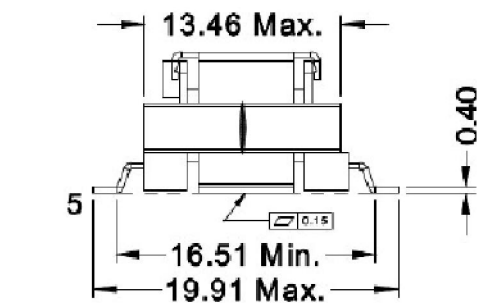
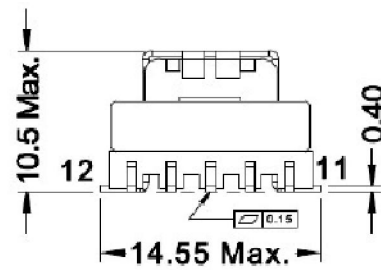
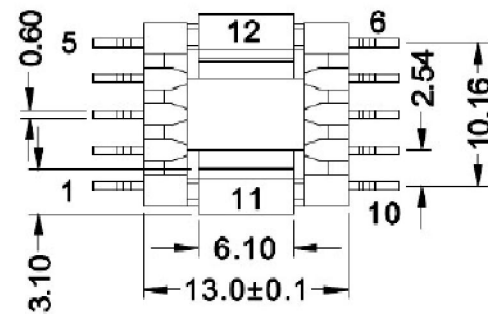




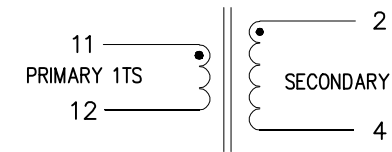
Front view



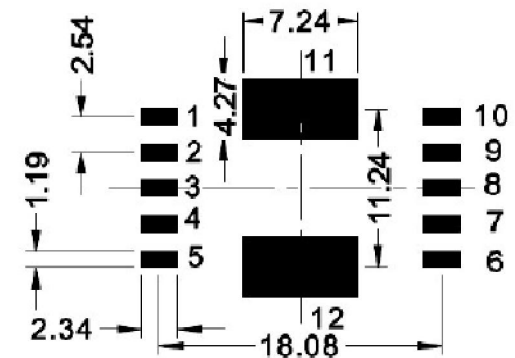
Side view



Bottom view



"•" START POIN



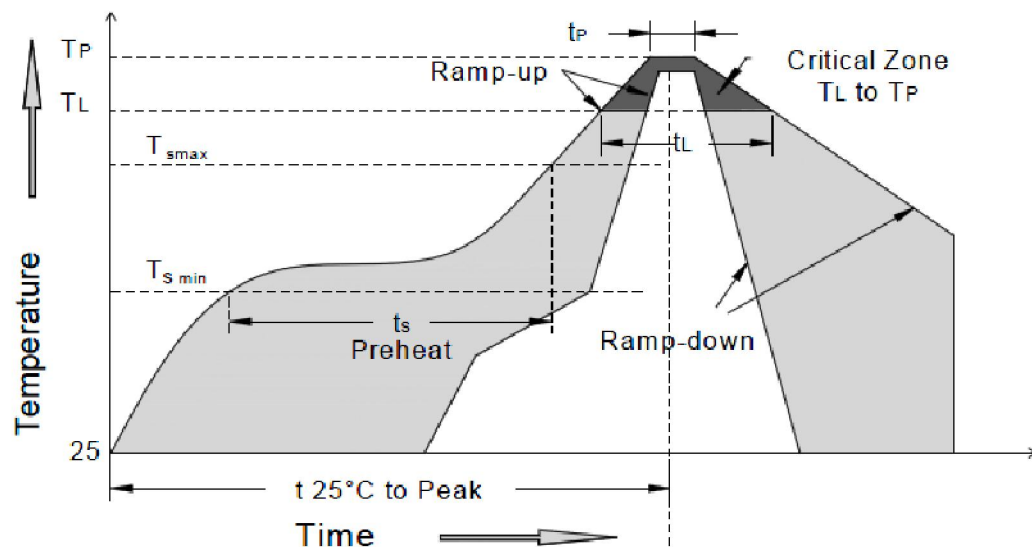
Suggested PAD Layout

EF12.6 SERIES/40A @Ta=25°C

Part Number	Turns RATIO (N) Pri : Sec	Rating Current (A)	DCR MAX (Ω)		Inductance (Sec) (mH MIN) 100kHz/0.1V	Isolation Voltage (Vrms)
			Pri	Sec		
EF12.6-50	1 : 50	40	0.28	0.4	1.4	1500
EF12.6-100	1 : 100	40	0.28	1.0	5.6	1500
EF12.6-150	1 : 150	40	0.28	2.2	12.6	1500
EF12.6-200	1 : 200	40	0.28	2.9	22.4	1500

								TITLE SMT CURRENT SENSE TRANSFORMER	
								DWG. NO.	
								EF12.6/40 A SERIES	
A	RELEASE	11/18/2024	SHIRLEY	DICK	DICK	UNITS:	SAFETY		SHEET 1 of 2
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE	P/N:		DRAW
REVISIONS						11/18/2024			SHIRLEY

Recommended Reflow Profile



MSL:

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

Ramp up rate = $3^\circ C/s$ max Ramp down rate = $6^\circ C/s$ max

$T_L = 217^\circ C$ $t_L = 60s-150s$ $T_P = 250 \pm 3^\circ C$ Time within $5^\circ C$ of actual Peak Temperature

(t_P): 20~40s

$T_{Smin} = 150^\circ C$ $T_{Smax} = 200^\circ C$ T_{Smin} to T_{Smax} : 60s-180s, $25^\circ C$ to peak Temperature:

8minutes max

						AOEM		TITLE SMT CURRENT SENSE TRANSFORMER	
								DWG. NO. EF12.6/40 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									