



NO: RD-HA-SD099  
DATE: 2005/09/15 I (REV:A1)

# 10/100 BASE-T SMT TRANSFORMER

## MODEL NO : HA-099

### FEATURE:

RoHS Compliant

RoHS peak solder rating 260

Designed to meet IR requirement

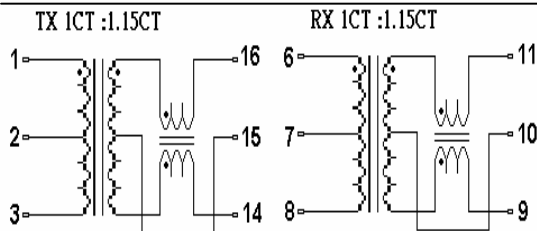
Specifications @ 25

Operating temp. : -40 ~ +85

OCL : 350uH Min @100Khz , 100mV 8mA

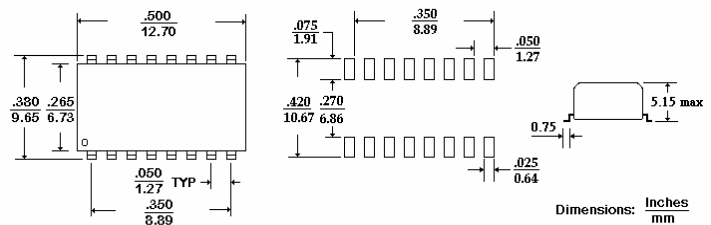
Part Number	Turns Ratio ( ±5% )		Insertion Loss ( dB MAX )	Return Loss ( dB MIN )				Differential Common Mode Rejection ( dB MIN . )	Cross Talk ( dB MIN )	HIPOT ( VAC )
	TX	RX		0.1~100 MHz	0.5~30	40	50			
HA-099	TX	RX	0.1~100 MHz	0.5~30	40	50	60~80 MHz	0.1~100 MHz	1~100 MHz	1500
	1CT:1.15CT	1CT:1.15CT	-0.8~-1.0	-18	-15	-13	-12	-30	-35	

### SCHEMATICS:



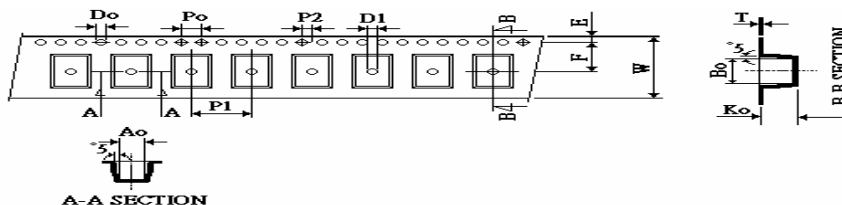
### DIMENSION: mm

TOLERANCE: (±0.25)



Dimensions: Inches/mm

### Packing :

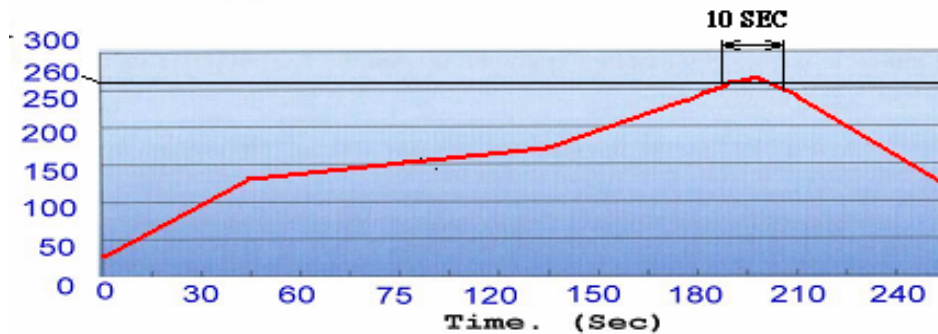


DIMENSION	W	P1	PO	E	F	AO	BO	Aot
SPEC.	24.0	16.0	4.0	1.75	11.5	10.0	13.2	0.08
	+/- 0.30	0.10	0.10	0.10	0.10	0.10	0.10	(MIN)
DIMENSION	KO	P2	Do	D1	10Po	T	K1	Bot
SPEC.	6.80	2.0	1.55	1.5	40.0	0.40	6.15	0.08
	+/- 0.10	0.10	0.05	(MIN)	0.20	0.10	0.10	(MIN)

Tape & reel.....600/reel  
Tube.....39/tab

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### Profile of IR Reflow (Lead Free)



### PACKING

1. Tape & Reel : 600pcs / Reel , 3000pcs / Carton
2. Dry Pack : 1pcs  
Product Description:(5g Silica Gel Desiccant)  
PH: 4-8  
Package Materials: Paper(Length 6.5±1cm , Width 5±1cm)
3. Reel Packed By Vacuum
4. Seal Per Jedec

