

10/100BASE-T TRANSFORMER

MODEL NO.: HD-081-A

FEATURE:

RoHS Compliant

RoHS peak solder rating 260°C / 3~5 Sec

Do not use material and use that the prohibition that SS-00259 stipulates

Designed to meet IR requirement

Operating temp. : 0°C ~ +80°C

Specifications @ 25°C

OCL : 350 uH Min @100kHz ,100mv / 8mA

DCR: 1.5 Ω Max.

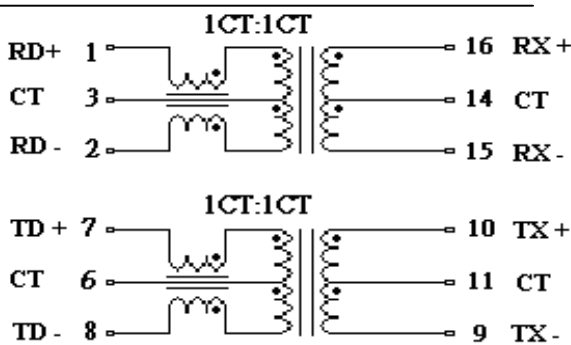
LL: 0.5uH Max.

Cw/w:30 pF Max.

MSL=2

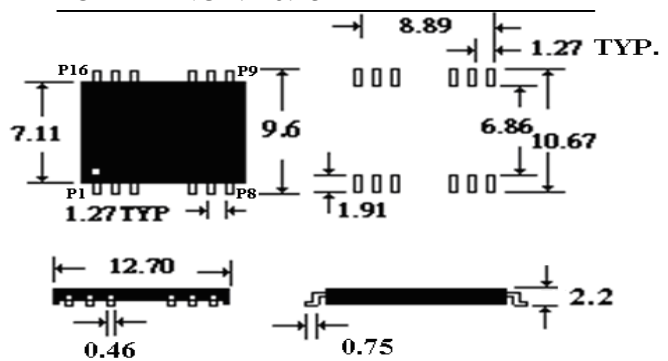
Part Number	Turns Ratio (±3%)	Insertion Loss (dB MAX)	Cross Talk (dB MIN)	Return Loss (dB MIN)	Common Mode Rejection (dB MIN .)	HIPOT (VAC)
HD-081-A	1CT:1CT	1 - 100MHz	1-100 MHz	1-40 40-80 80-100MHz	1-30 30-50 50-100 MHz	1500
		-1.0	-35	-16 -16~-10 -10~-8	-35 -33 -30	

SCHEMATICS:

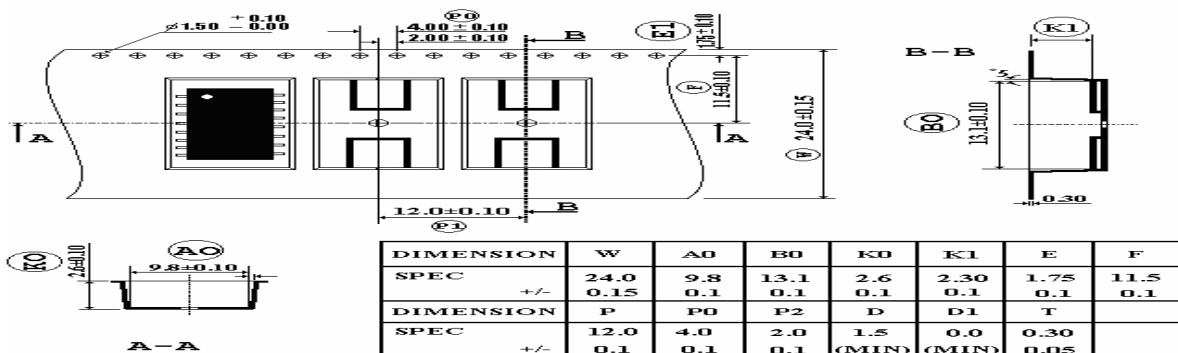


DIMENSION: mm

TOLERANCE: ±0.25



Packing :



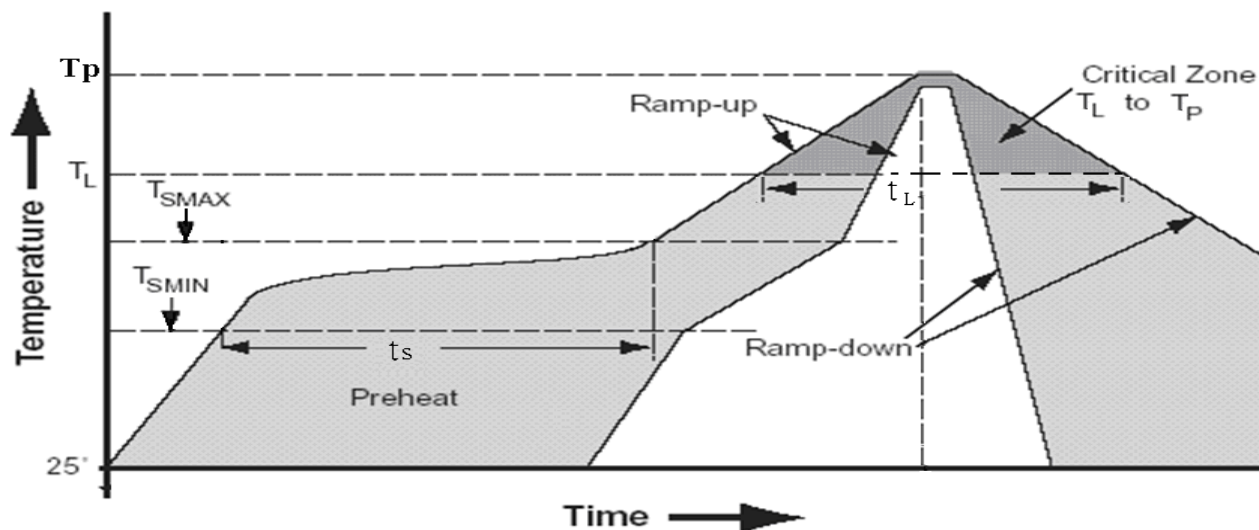
MODEL NO.: HD-081-A

Solder Reflow profile for Lead-Free packages.
Package Peak Reflow Temperatures

Classification Reflow Profiles

Profile Feature	Lead-Free Assembly	
Average ramp-up rate(T_L to T_P)	3°C / Second Max.	
Preheat Temperature Min.(T_s min.) Temperature Max.(T_s max.) Time (min to max) (t_s)	150 °C 200 °C 60-180 sec	
T_s max. to T_L Ramp-up Rate	3°C / Second Max.	
Time maintained above Temperature (T_L) Time (t_L)	217 °C 60-150 sec	
Peak Temperature (T_p) Time within 5 °C of actual peak Temp.	260 +0 / -5 °C 3 to 5 Sec	250 +0 / -5 °C 20 to 40 Sec
Ramp-down	6°C / Second Max.	
Time 25 °C to Peak Temperature	8 minutes Max.	

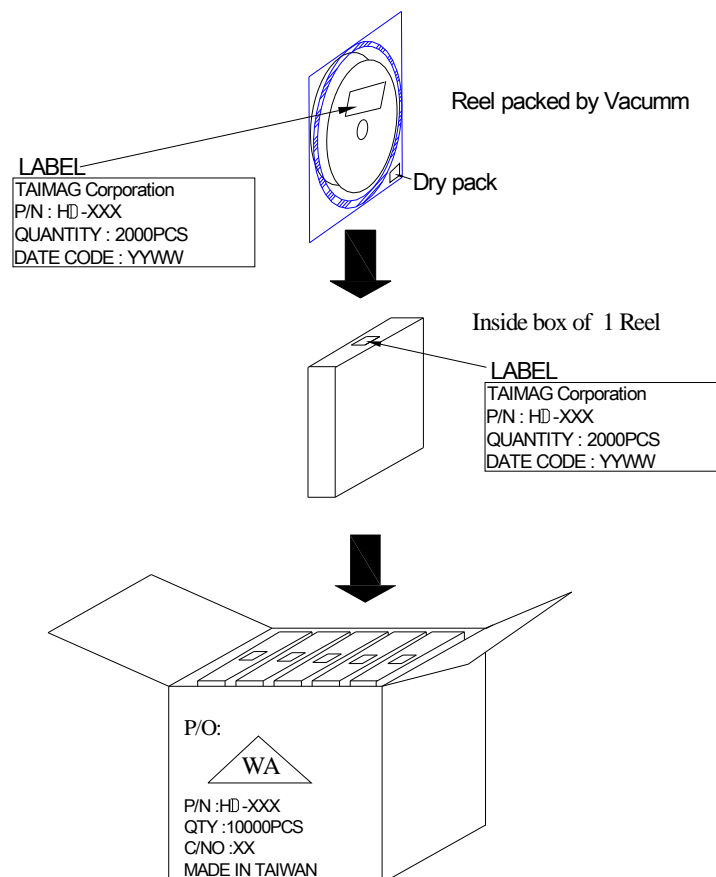
Profile



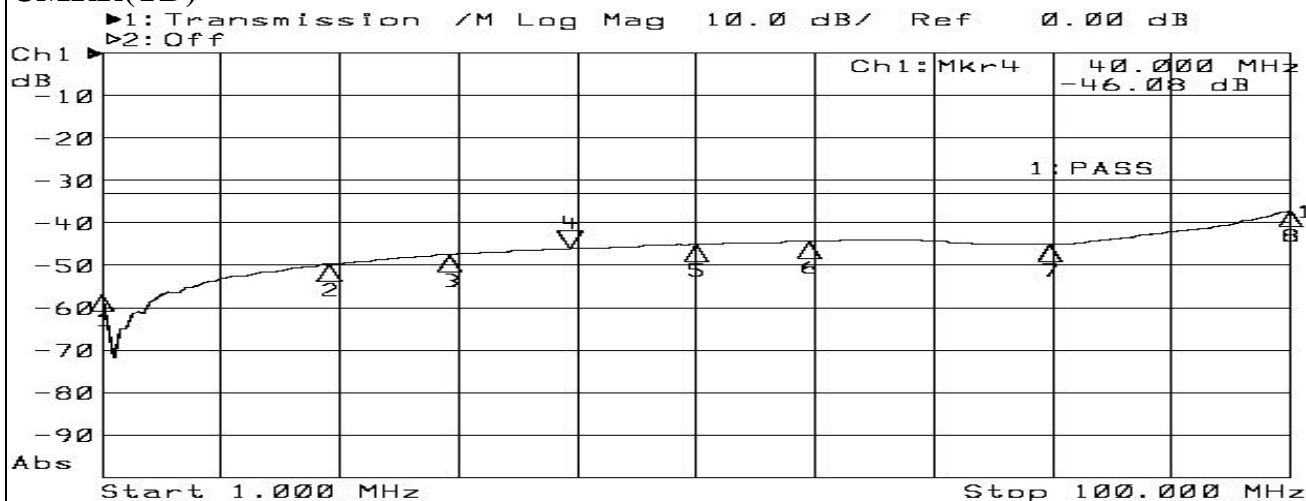
MODEL NO.: HD-081-A

PACKING

1. Tape & Reel: 2000 pcs / Reel, 10000 pcs / Carton
2. Dry Pack: 1 pc.
Product Description: 5g Silica Gel Desiccant
PH: 4-8
Package Materials: Paper (Length 6.5±1cm , Width 5±1cm)
3. Reel: Vacuum Packed
4. Seal as per JEDEC

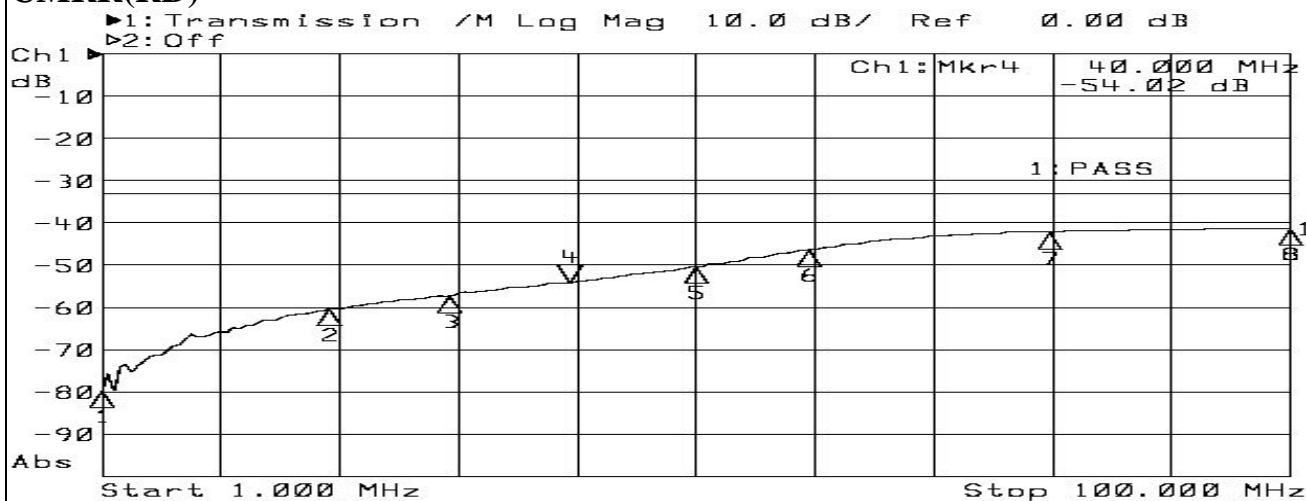


CMRR(TD)



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1:	1.000		
2:	20.000		
3:	30.000		
4:	40.000		
5:	50.500		
6:	60.000		
7:	80.000		
8:	100.000		

CMRR(RD)

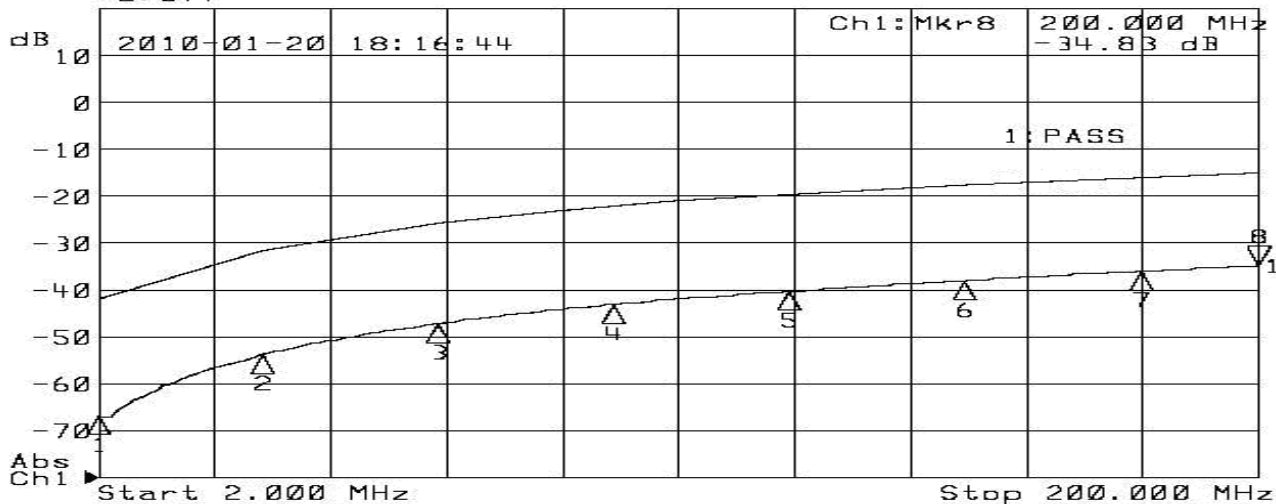


1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1:	1.000		
2:	20.000		
3:	30.000		
4:	40.000		
5:	50.500		
6:	60.000		
7:	80.000		
8:	100.000		

DCMR(TD)

▶1: Transmission /M Log Mag 10.0 dB/ Ref -80.00 dB

▶2: Off

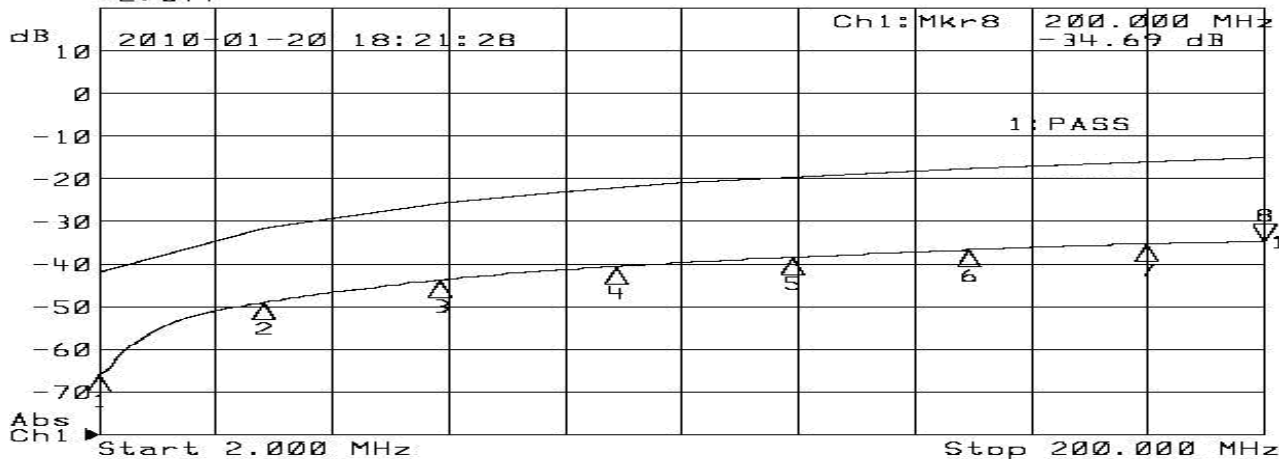


1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1:	2.00		
2:	30.00		
3:	60.00		
4:	90.00		
5:	120.00		
6:	150.00		
7:	180.00		
8:	200.00		

DCMR(RD)

▶1: Transmission /M Log Mag 10.0 dB/ Ref -80.00 dB

▶2: Off



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1:	2.00		
2:	30.00		
3:	60.00		
4:	90.00		
5:	120.00		
6:	150.00		
7:	180.00		
8:	200.00		