

10/100 BASE-T PC CARD SMD TRANSFORMER MODULE

ALAN-505

RoHS
Compliant

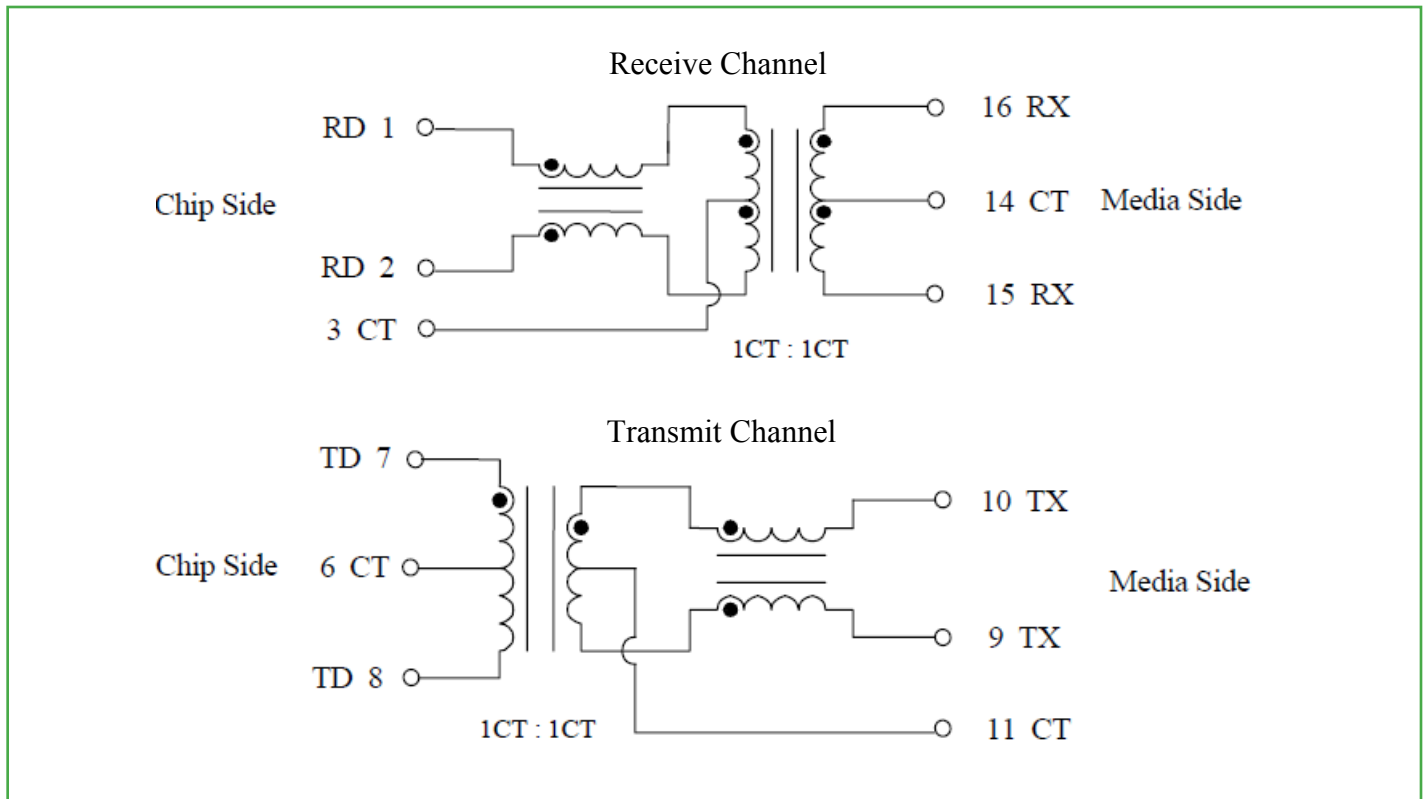


12.7 x 7.1 x 1.98mm

STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Operating Temperature	0		+70	°C	
Insertion Loss			0.9	dB	@0.1 ~ 100MHz
Return Loss	16			dB	@30MHz
	12				@60MHz
	11				@80MHz
Cross Talk	50			dB	@30MHz
	45				@62MHz
	40				@100MHz
Common Mode Rejection	35			dB	@30MHz
	33				@50MHz
	20				@100MHz
	20				@150MHz
Turn Ratio	1CT:1CT±2%				@50kHz, 0.5V
Inductance	350			μH	@100kHz, 0.1Vrms, 8mA DC
High Pot	1500VAC, 0.5mA, 1 second				

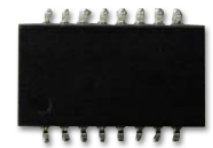
SCHEMATIC:



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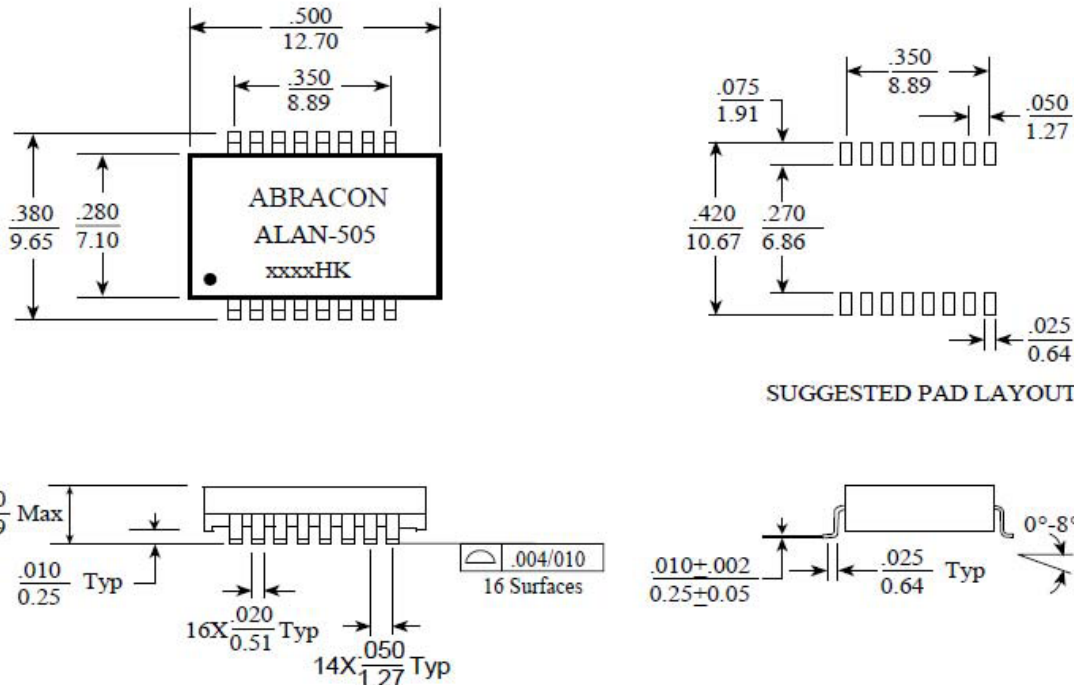
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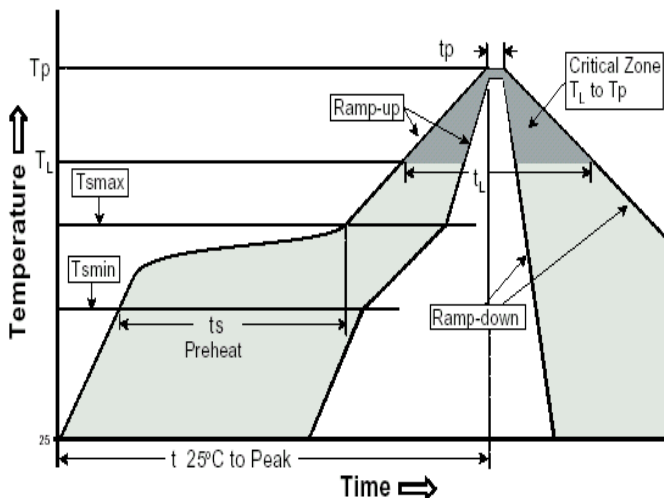
12.7 x 7.1 x 1.98mm

OUTLINE DRAWING:



Dimensions: $\frac{\text{inches}}{\text{mm}}$

REFLOW PROFILE:



Profile Feature	Pb-Free Assembly
Average Ramp-Up Rate ($T_{s \max}$ to T_p)	3°C /second max.
Preheat	
-Temperature Min ($T_{s \min}$)	100°C
-Temperature Max ($T_{s \max}$)	150°C
-Time ($t_{s \min}$ to $t_{s \max}$)	60-120 seconds
Time maintained above:	
-Temperature (T_L)	183°C
-Time (t_L)	60-150 seconds
Peak/Classification Temperature (T_p)	240±5°C
Time within 5°C of actual Peak Temperature (t_p)	10-20 seconds
Ramp-Down Rate	6°C /seconds max
Time 25°C to Peak Temperature	6 minutes max.

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30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com