



16.10 x 13.87 x 25.68mm RoHS/RoHS II Compliant

FEATURES

- High speed 10GBase-T
- 10/100/1000Base-T compatibility
- Surface mount device
- Wide -40C to 85C operating temperature range
- Integrated magnetics
- Integrated shielding and metal fingers for excellent EMI performance

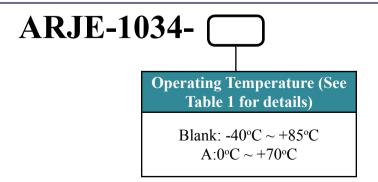
APPLICATIONS

- Networking equipment
- Industrial IoT/IoT
- Video IP cameras
- Machine-to-machine (M2M)
- Industrial process control
- Servers and cloud computing
- High performance computing (HPC)
- Network interface cards (NIC)
- Media converters

STANDARD SPECIFICATIONS

Parameters	Minimum	Typical	Maximum	Units	Notes
Turn Ratio (±3%)		1CT:1CT			
Inductance	100			uН	100kHz, 0.1Vrms
Insertion Loss			-3.0	dB	100KHz
			-2.0		1-400MHz
Return Loss	-18.0			dB	1-40MHz
	19-10Log(F/40)*				40-500MHz
Crosstalk	-30.0			dB	1-100MHz
	-20.0				100-500MHz
CM-DMRR	-30.0			dB	1-250MHz
	-20.0				250-500MHz
Hipot		1500 Vrms min	1500 Vrms min Pri to Sec		
Operating Temperature	-40		85	C	See options

PART NUMBER IDENTIFICATION



ABRACON

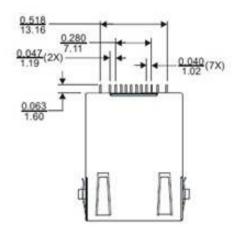
5101 Hidden Creek Lane Spicewood TX 78669 Phone: 512-371-6159 | Fax: 512-351-8858 For terms and conditions of sale please visit: www.abracon.com REVISED: 09/26/2016

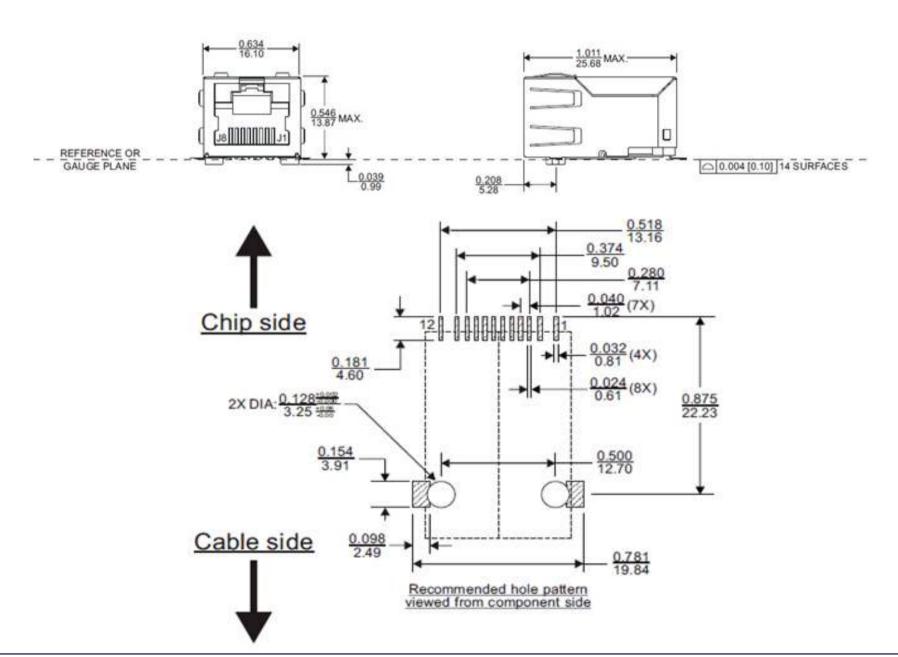


ARJE-1034

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MECHANICAL DIMENSIONS: mm (unless otherwise specific, all tolerances are $\pm 0.01/0.25$)







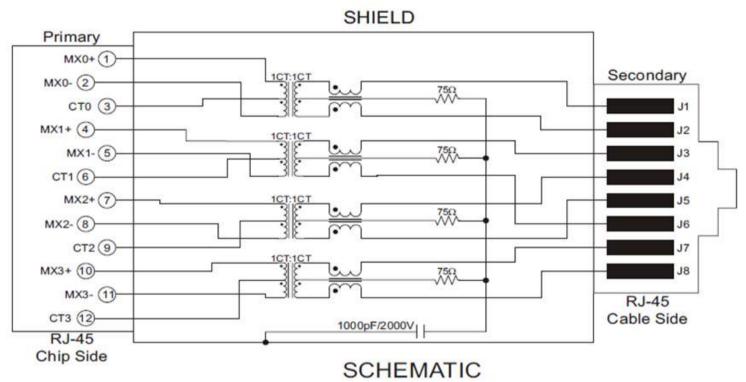
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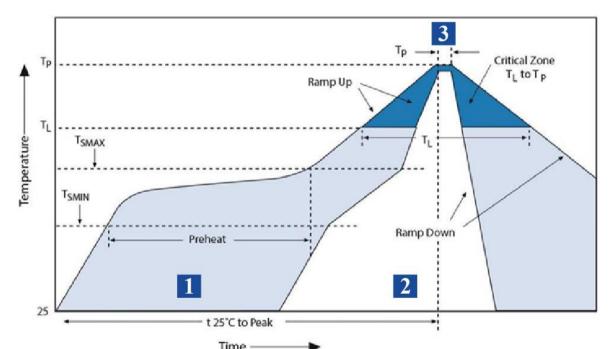
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SCHEMATIC



REFLOW



Time						
Zone	Description	Temperature	Time			
1	Preheat	$T_{\text{SMIN}} \sim T_{\text{SMAX}}$ $150^{\circ}\text{C} \sim 200^{\circ}\text{C}$	60 ~ 180 sec.			
2	Reflow	T _L 217°C	$60 \sim 150 \text{ sec.}$			
3	Peak heat	Т _Р 245°С	20 ~ 40 sec.			



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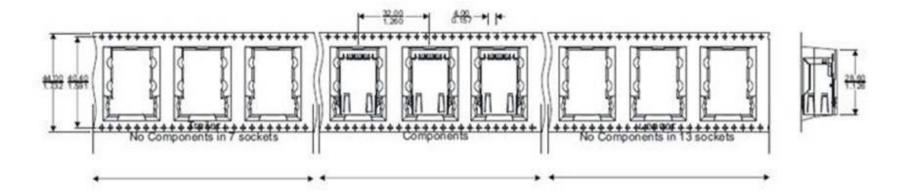


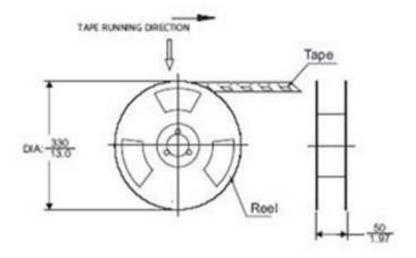
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PACKAGING

T: 110 pcs/reel





NOTES

- 1. The parts are manufactured in accordance with this specification. If other conditions and specifications which are required for this specification, please contact ABRACON for more information.
- 2. ABRACON will supply the parts in accordance with this specification unless we receive a written request to modify prior to an order placement.
- 3. In no case shall ABRACON be liable for any product failure from in appropriate handling or operation of the item beyond the scope of this specification.
- 4. When changing your production process, please notify ABRACON immediately.
- 5. ABRACON LLC's products are COTS Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. ABRACON's products are not specifically designed for Military, Aviation, Aerospace, Life- dependent Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from ABRACON LLC is required. Please contact ABRACON LLC for more information.
- 6. All specifications and Marking will be subject to change without notice.

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