ARJE-0034

FEATURES:

Moisture Sensitivity Level = 1

- Compliant with IEEE802.3 standard
- 350uH minimum OCL with 8mA bias current
- High performance for maximum EMI suppression
- High reliability 750 mating/unmating cycles

RoHS/RoHS II Compliant



> APPLICATIONS:

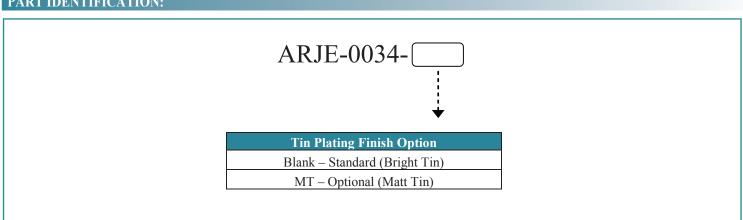
- Supports 100 Base-T applications such as Set Top Box and Network Interface Card.
- Provides signal conditioning, EMI suppression and signal isolation

STANDARD SPECIFICATIONS

Operating temperature range: -40°C to +85°C Storage temperature range: -40°C to +85°C

Parameters	Minimum	Typical	Maximum	Units	Notes
Turn Ratio (±3%)	1CT:1CT				
Inductance	350			uН	100kHz, 0.1Vrms, 8mADC
DCR			1.2	Ω	
Insertion Loss			-1.0	dB	1-100MHz
Return Loss	-18			dB	1-30MHz
	-15				30-60MHz
	-12				60-100MHz
Crosstalk	-40			dB	1-30MHz
	-35				30-60MHz
	-30				60-100MHz
CMRR	-30			JD.	1-50MHz
	-20			dB	50-100MHz
Hipot		1500		Vrms	Pri to Sec

PART IDENTIFICATION:



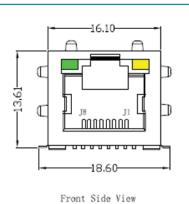


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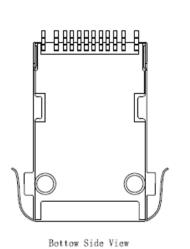
RoHS/RoHS II Compliant

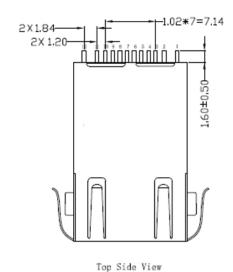


MECHANICAL DIMENSIONS:

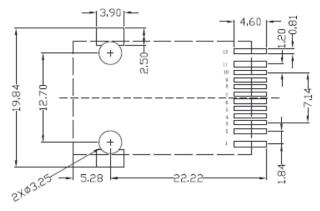


3,00 2,00 Left Side View





Recommended Land Pattern



Suggested PCB Layout

Dimension: mm

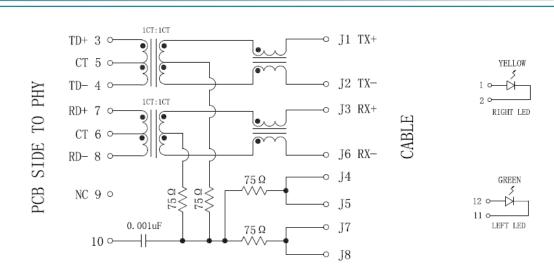


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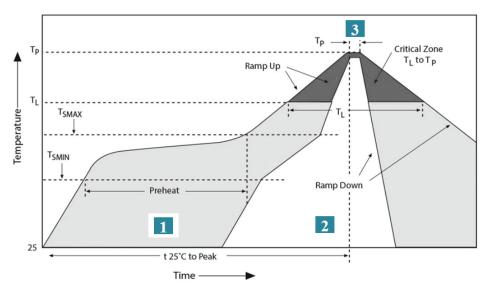


SCHEMATICS



Emitting Color	Λp(nm)	VF@IF20mA	IR@VR=5V
Green	565	1.8~2.4V	10 μA Max
Yellow	585	1.8~2.4V	10 μA Max

REFLOW PROFILE



Zone	Description	Temperature	Times
1	Preheat	$T_{SMIN} \sim T_{SMAX}$ 150°C ~ 200°C	60 ~ 180 sec.
2	Reflow	T _L 217°C	60 ~ 150 sec.
3	Peak heat	T _P 245°C	20 ~ 40 sec. MAX



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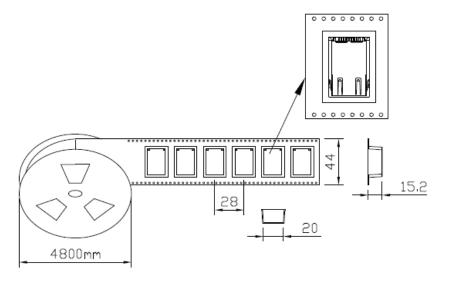


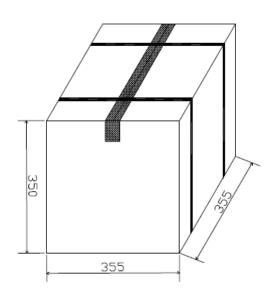
TAPE & REEL:

• Packing: (110pcs/Tape & Reel, 660pcs/Box)

Packing Material: PET

• Moisture Sensitivity Level (MSL): 1 (MSL=1)





Dimension: mm/inch

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