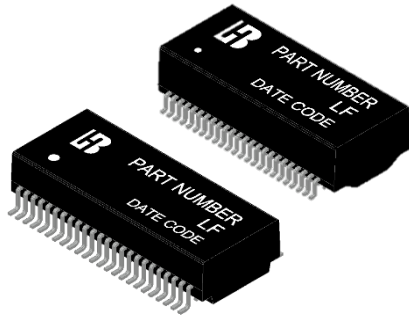


# 1Gigabit Dual Magnetic Modules

GSx014xx, GS9015xx



- Ⓢ IEEE802.3ab/af/at/bt Compliant Options
- Ⓢ Compatible with all Major PHYs
- Ⓢ RoHS compliant and Halogen Free

## Electrical Specification @ 25° (OCL@DC8mA)

PART NUMBER	Media side Inductance (@100KHz/0.1Ve) uH min	Insertion Loss dB max	Return Loss dB min		PoE (Current Per Pair mA)	Operating Temperature (°C)	Isolation (Pri:Sec)	Note	
			1 - 100MHz	1 - 40MHz					40< f ≤100 MHz
			GS5014S2 LF	350					-1.0
GS5014RS3 LF	350	-1.0	-16	$-(10-20 \log_{10}(f/80))$	-	0 to 70	4000Vrms	Surge CM 6KV	
GS5014R LF	350	-1.0	-16	$-(10-20 \log_{10}(f/80))$	350	0 to 70	1500Vrms		
GS5014 LF	350	-1.0	-16	$-(10-20 \log_{10}(f/80))$	350	0 to 70	1500Vrms	-	
GS6014 LF	350	-1.0	-16	$-(10-20 \log_{10}(f/80))$	720	0 to 70	1500Vrms	-	
GS6014SM LF	350	-1.0	-16	$-(10-20 \log_{10}(f/80))$	720	-40 to 85	3000Vrms	Surge CM 6KV	
GS6014RM LF	350	-1.0	-16	$-(10-20 \log_{10}(f/80))$	600	-40 to 85	1500Vrms	-	

## Electrical Specification @ 25° (OCL@DC15mA)

PART NUMBER	Media side Inductance (@100KHz/0.1Ve) uH min	Insertion Loss dB max	Return Loss dB min		PoE (Current Per Pair mA)	Operating Temperature (°C)	Isolation (Pri:Sec)	Note	
			1 - 100MHz	1 - 40MHz					40< f ≤100 MHz
			GS9015RM LF	350					-1.4

Note: Refer to the specification for detail

## Process and Materials

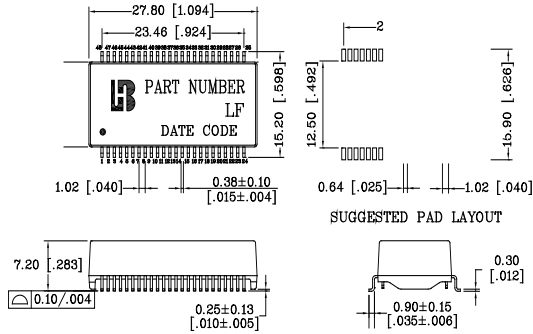
1. Storage Temperature: Refer to the specification for details
2. Compliance to J-STD:
  - A. J-STD-002: Solderability at 245°C Reflow Profile
  - B. J-STD-020: Moisture Sensitive Level 1
  - C. J-STD-075: R7, 245°C Maximum Through Reflow Solder
3. All parts come in 13" (330mm) Diameter Tape and reel I - see page 3 for details
4. Header: DAP (Diallyl Phthalate) with flammability Rating UL 94V-0 or better
5. Lead Frame: Cooper Alloy
  - Underplated: Half Hard Ductile Nickel 40-118" (1.0-3.0um)
  - Over plated: 100% Tin electro-deposited per 240~400u"Min(6~10um)
  - Finish: Matte finish 100% Tin solder

# 1Gigabit Dual Magnetic Modules

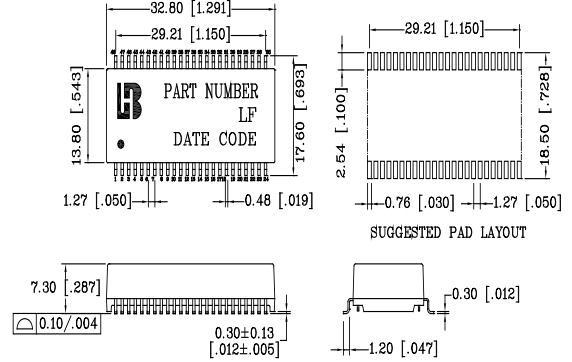
## GSx014xx, GS9015xx

### Mechanical

#### GSx014xx



#### GS9015xx



Dimensions: mm / [Inches]

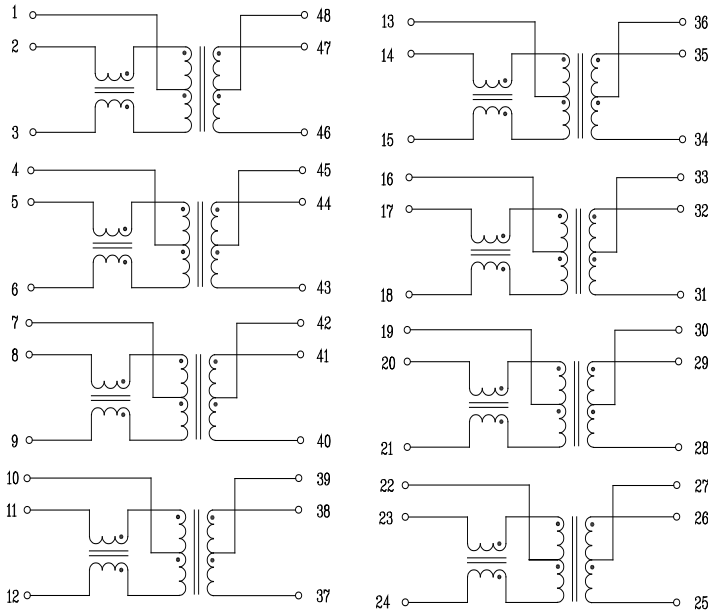
Unless otherwise specified, all tolerances are:

xx.xx ±0.25 [.010]

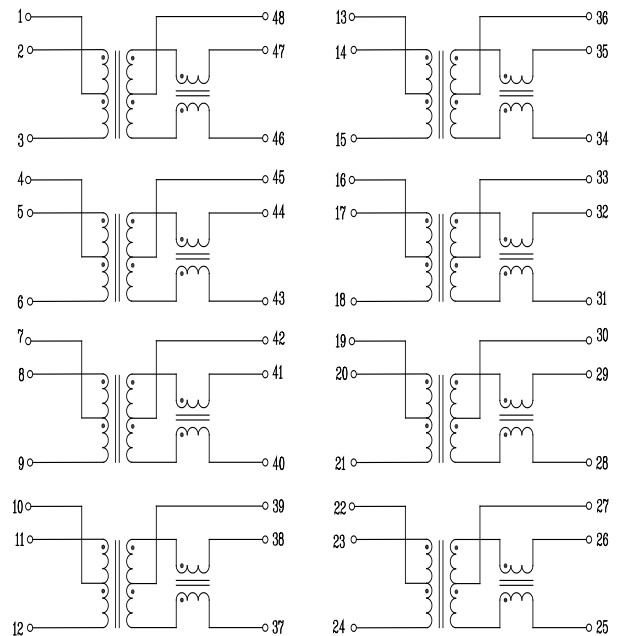
0.xx ±0.05 [.004]

### Schematic

#### GS5014R LF, GS5014RS3 LF, GS6014RM LF, GS9015RM LF



#### GS5014 LF, GS5014S2 LF, GS6014 LF, GS6014SM LF

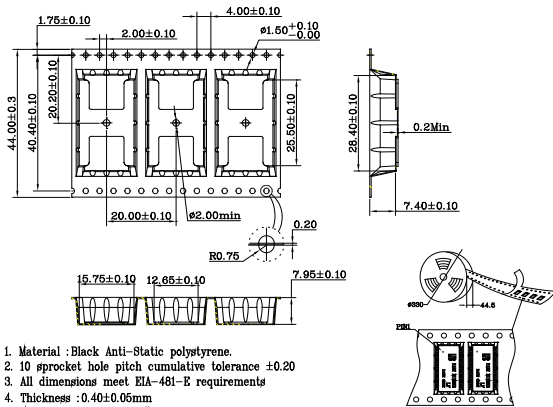


# 1Gigabit Dual Magnetic Modules

GSx014xx, GS9015xx

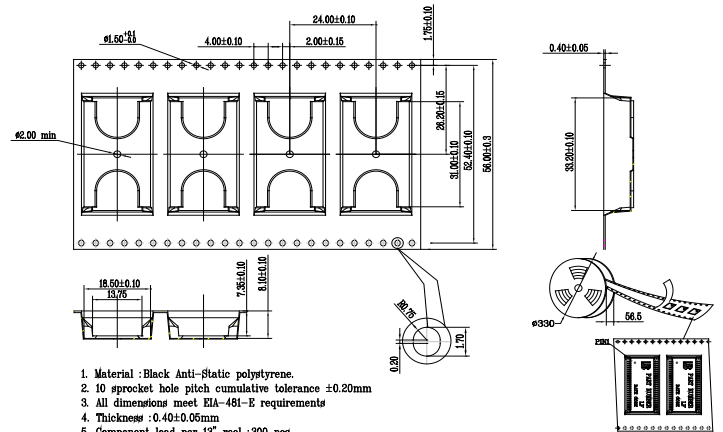
## Tape & Reel

### GSx014xx



1. Material : Black Anti-Static polystyrene.
2. 10 sprocket hole pitch cumulative tolerance  $\pm 0.20$
3. All dimensions meet EIA-481-E requirements
4. Thickness :  $0.40 \pm 0.05$ mm
5. Component load per 13" reel : 350pcs

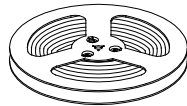
### GS9015xx



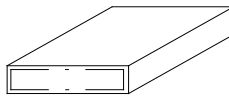
1. Material : Black Anti-Static polystyrene.
2. 10 sprocket hole pitch cumulative tolerance  $\pm 0.20$ mm
3. All dimensions meet EIA-481-E requirements
4. Thickness :  $0.40 \pm 0.05$ mm
5. Component load per 13" reel : 300 pcs

## Carton Package

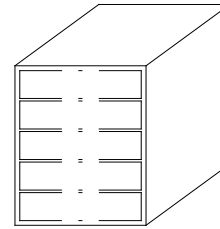
### GSx014xx



REEL



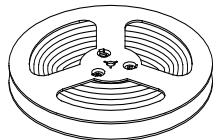
INNER BOX: 347x347x82



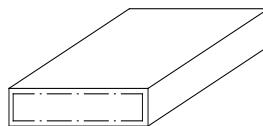
OUTER CARTON: 375x375x470

1. 1 REEL=350PCS
2. 1 INNER BOX=1 REEL=350PCS
3. 1 OUTER CARTON=5 INNER BOXES=1750PCS

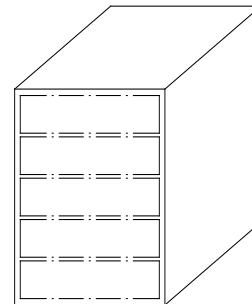
### GS9015xx



REEL



INNER BOX: 347x347x82



OUTER CARTON: 375x375x470

1. 1 REEL=300PCS
2. 1 INNER BOX=1 REEL=300PCS
3. 1 OUTER CARTON=5 INNER BOXES=1500PCS

## For More Information:

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