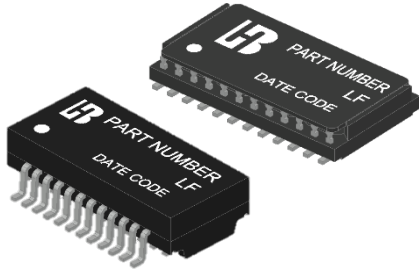


1Gigabit Magnetic Modules

GST5009xx, NA0069xx



- Ⓢ IEEE802.3ab/af Compliant Options
- Ⓢ Compatible with all Major PHYs
- Ⓢ Low Profile Designs under 4.1mm
- Ⓢ RoHS compliant and Halogen Free
- Ⓢ PCMCIA Option

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				
GST5009 LF	350	-1.0	-16	-(10-20 log ₁₀ (f/80))	350	0 to 70	1500Vrms	-
GST5009B LF	350	-1.0	-16	-(10-20 log ₁₀ (f/80))	350	0 to 70	1500Vrms	-
GST5009BM LF	350	-1.0	-16	-(10-20 log ₁₀ (f/80))	350	-40 to 85	1500Vrms	-
GST5009C LF	350	-1.0	-16	-(10-20 log ₁₀ (f/80))	350	0 to 70	1500Vrms	-
GST5009G LF	350	-1.0	-16	-(10-20 log ₁₀ (f/80))	350	0 to 70	1500Vrms	-
GST5009M LF	350	-1.0	-16	-(10-20 log ₁₀ (f/80))	350	-40 to 85	1500Vrms	-
GST5009S1 LF	350	-1.0	-16	-(10-20 log ₁₀ (f/80))	350	0 to 70	1500Vrms	SURGE CM/DM2.5KV

Electrical Specification @ 25°C

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				
NA0069R LF	350	-1.0	-16	-(10-20 log ₁₀ (f/80))	-	0 to +70	1500Vrms	-

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 1 - 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

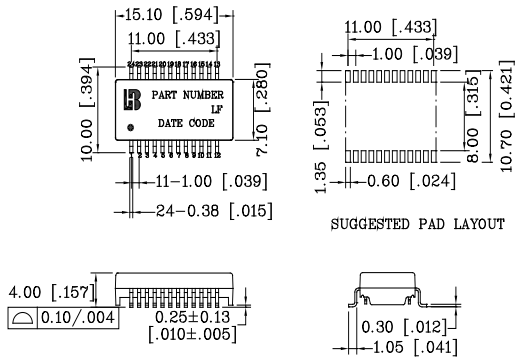
1Gigabit Magnetic Modules

GST5009xx, NA0069xx

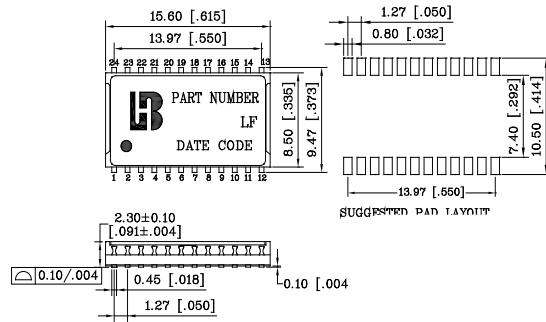


Mechanical

GST5009xx



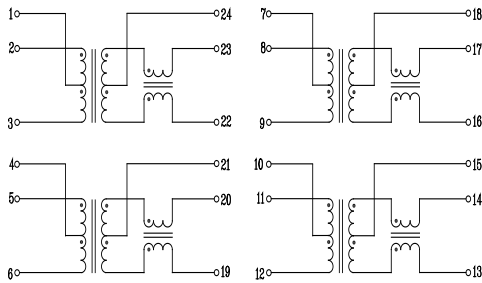
NA0069xx



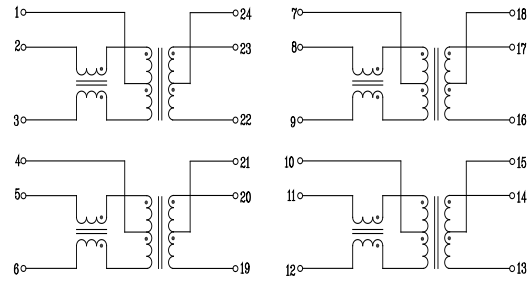
Dimensions: mm / [Inches] Unless otherwise specified, all tolerances are: xx.xx ±0.25 [.010] 0.xx ±0.05 [.004]

Schematic

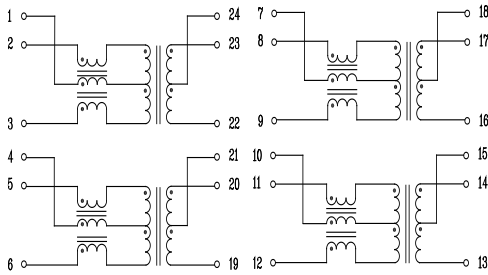
GST5009 LF, GST5009M LF, GST5009S1 LF



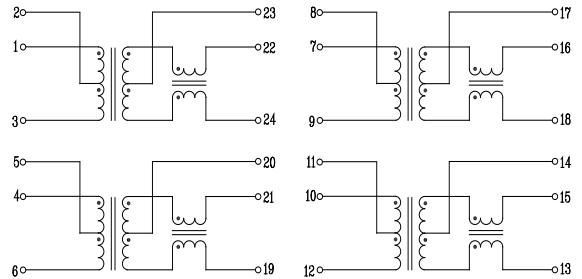
GST5009B LF, GST5009BM LF



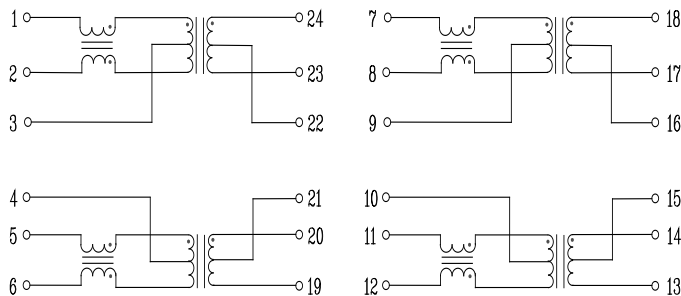
GST5009G LF



GST5009C LF



NA0069R LF

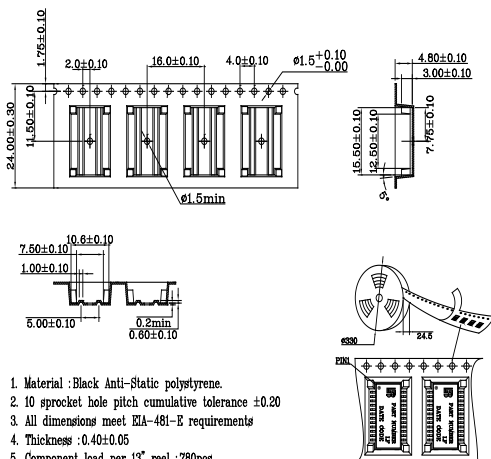


1Gigabit Magnetic Modules

GST5009xx , NA0069xx

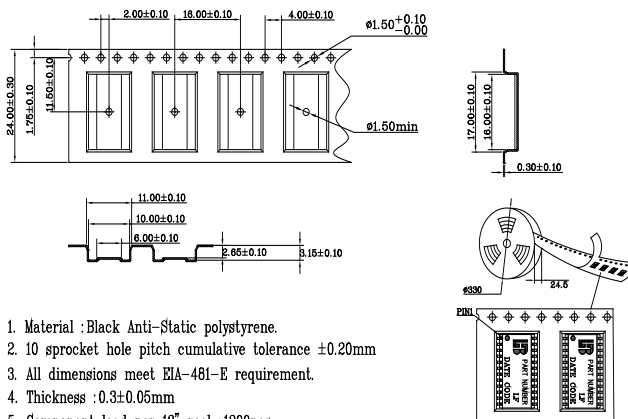
Tape & Reel

GST5009xx



1. Material : Black Anti-Static polystyrene.
2. 10 sprocket hole pitch cumulative tolerance ± 0.20
3. All dimensions meet EIA-481-E requirements
4. Thickness : 0.40 ± 0.05
5. Component load per 13" reel : 780pcs

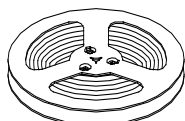
NA0069xx



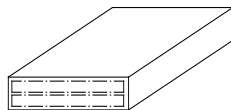
1. Material : Black Anti-Static polystyrene.
2. 10 sprocket hole pitch cumulative tolerance ± 0.20 mm
3. All dimensions meet EIA-481-E requirement.
4. Thickness : 0.3 ± 0.05 mm
5. Component load per 13" reel : 1200pcs .

Carton Package

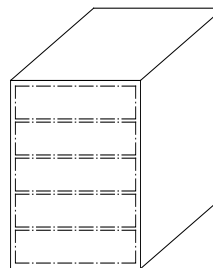
GST5009xx



REEL



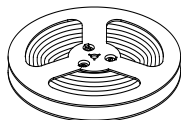
INNER BOX: 347x347x82



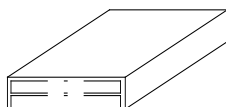
OUTER CARTON: 375x375x470

1. 1 REEL=780PCS
2. 1 INNER BOX=2 REELS=1560PCS
3. 1 OUTER CARTON=5 INNER BOXES=7800PCS

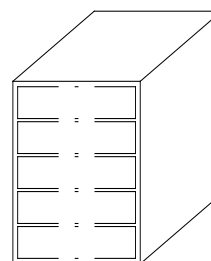
NA0069xx



REEL



INNER BOX: 347x347x82



OUTER CARTON: 375x375x470

1. 1 REEL=1200PCS
2. 1 INNER BOX=2 REELS=2400PCS
3. 1 OUTER CARTON=5 INNER BOXES=12000PCS

For More Information:

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