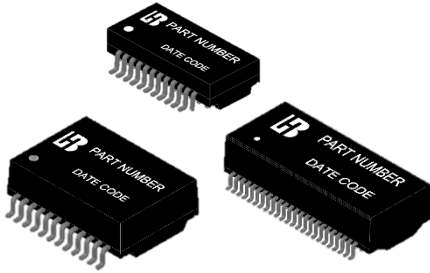






2.5G Magnetic Modules

AGST5009xx , AVP2014xx , AGS2014xx



-  Complying with IEEE 802.3bz standard
-  Compatible with all Major PHYs
-  RoHS compliant and Halogen Free
-  Ideal for Commercial or Industrial switches and high-volume consumer applications



Electrical Specification @ 25°

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
		1-100 MHz	125 MHz	1-40MHz	40 < f ≤ 125 MHz				
		AVP2014R	180	-1.0	-1.5				
AVP2014RS1	180	-1.0	-1.5	-16	- (16-10 log ₁₀ (f /40))	-	0 to +70	3000Vrms	Surge CM 4KV
AGS2014R	180	-1.0	-1.5	-16	- (16-10 log ₁₀ (f /40))	-	0 to +70	1500Vrms	-
AGST5009B	180	-0.5	-1	-20	- (20-10 log ₁₀ (f /40))	-	0 to +70	1500Vrms	-
QVPR2014R	180	-0.5	-1	-20	- (20-10 log ₁₀ (f /40))	-	0 to +70	1500Vrms	-

Note: Refer to the specification for detail

Process and Materials

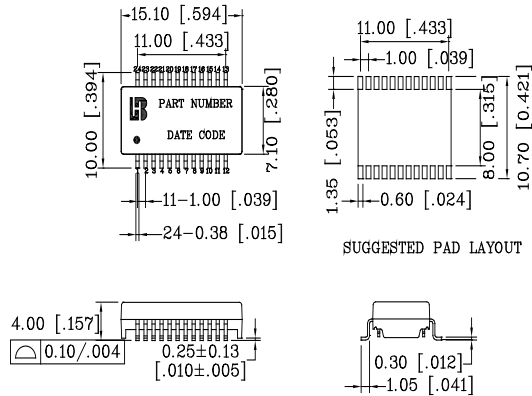
1. Storage Temperature: Refer to the specification for details
2. Compliance to J-STD:
 - A. J-STD-002: Solderability at 245°C Reflow Profile
 - B. J-STD-020: Moisture Sensitive Level 1
 - C. J-STD-075: R7, 245°C Maximum Through Reflow Solder
3. All parts come in 13" (330mm) Diameter Tape and reel | - see page3-4 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

2.5G Magnetic Modules

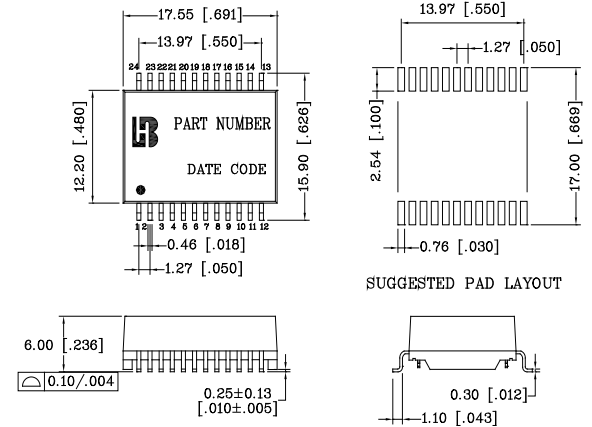
,AGST5009xx , AVP2014xx , AGS2014xx

Mechanical

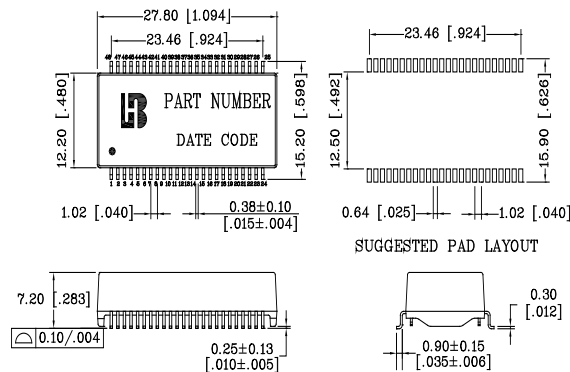
AGST5009B



A/QVP2014xx



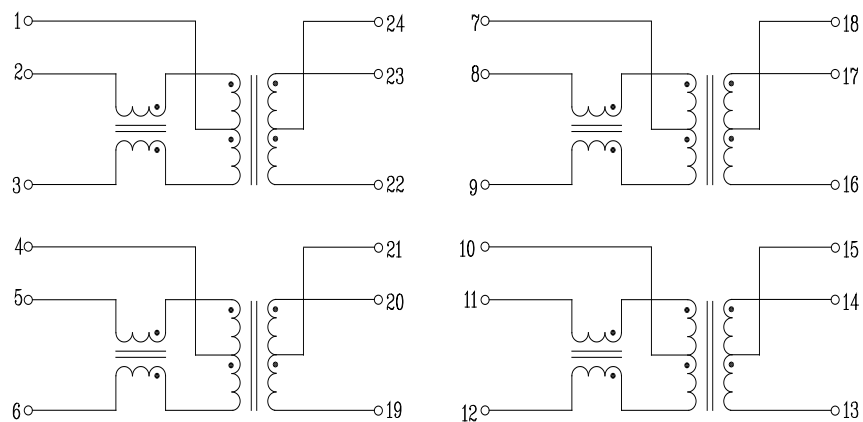
AGS2014R



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

Schematic

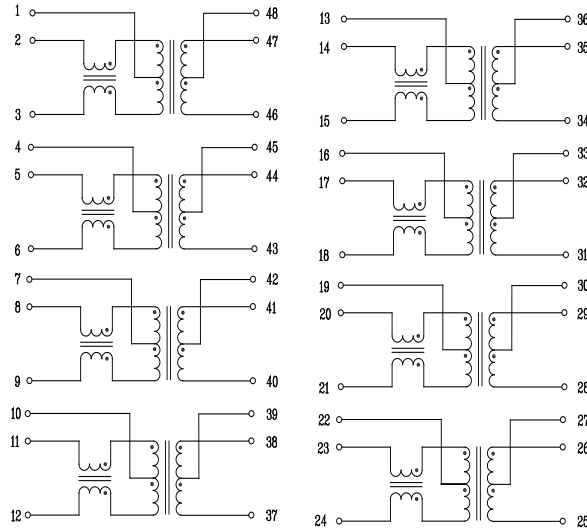
AGST5009B, AGS2014R, AVP2014R, QVP2014R, AVP2014RS1



2.5G Magnetic Modules

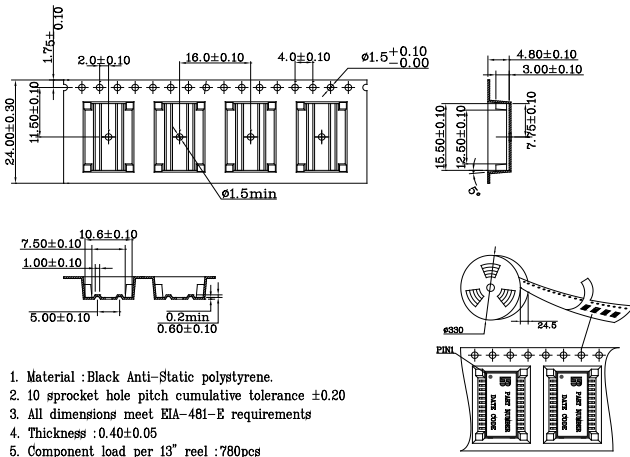
AGST5009xx , AVP2014xx , AGS2014xx

AGS2014R

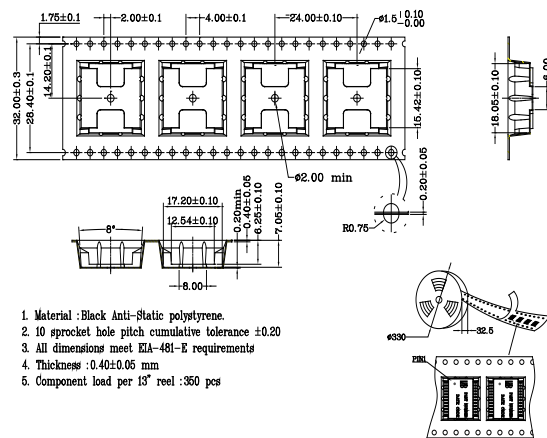


Tape & Reel

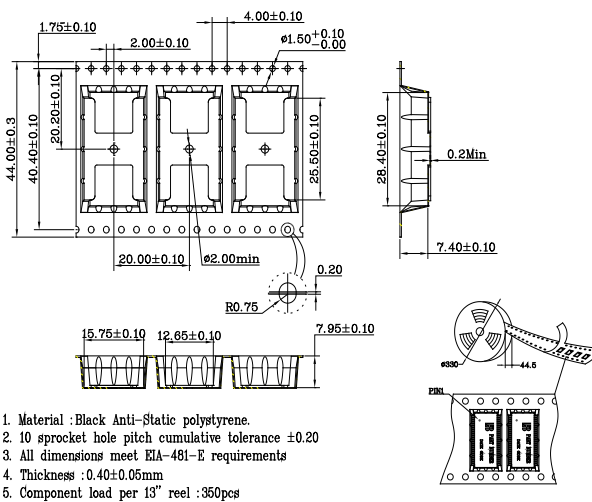
AGST5009B



AGS2014R



AVP2014R , QVPR2014R , AVP2014RS1

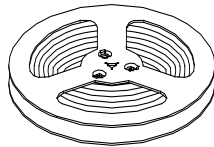


2.5G Magnetic Modules

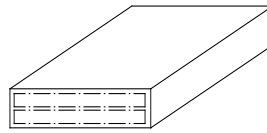
AGST5009xx , AVP2014xx , AGS2014xx

Carton Package

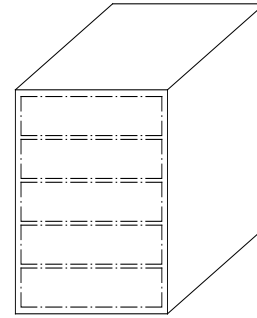
AGST5009xx



REEL



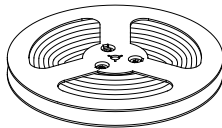
INNER BOX: 347x347x82



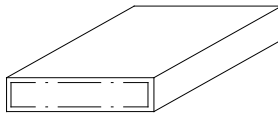
OUTER CARTON: 375x375x470

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

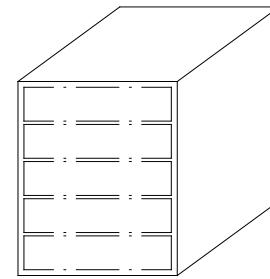
AGS2014R, AVP2014R , AVP2014RS1 , QVPR2014R



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

For More Information:

Americas-prodinfonetworkamericas@pulseelectronics.com | Europe-comms-Apps-Europe@pulseelectronics.com | Asia-prodinfonetworkapac@pulseelectronics.com

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