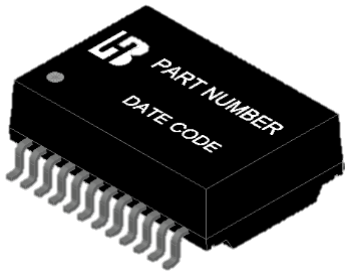


5GBase-T Single Port Magnetic Modules

Q VP2014, QVP6014, QVP9014



- IEEE802.3bz/af/at/bt Compliant Options
- 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/0.1V _e) uH min	Insertion Loss dB max		Return Loss dB min		PoE (Current Per Pair mA)	Operating Temperature (°C)	Isolation (Pri:Sec)	Note
		1-100MHz	100-250 MHz	1-40 MHz	40 < f ≤ 250 MHz				
QVP6014RM	180	-1.0	-2.0	-16	- (16-10 log ₁₀ (f/40))	600	-40 to 85	1500Vrms	-
QVP6014M	180	-1.0	-2.0	-16	- (16-10 log ₁₀ (f/40))	600	-40 to 85	1500Vrms	-
QVP6014RBM	180	-1.0	-2.0	-16	- (16-10 log ₁₀ (f/40))	600	-40 to 85	4000Vrms	Surge CM 6KV
QVP9014RAM	180	-1.0	-2.0	-16	- (16-10 log ₁₀ (f/40))	1000	-40 to 110	1500Vrms	-
QVP9014RS4M	180	-1.0	-2.0	-16	- (16-10 log ₁₀ (f/40))	1000	-40 to 110	1500Vrms	Surge DM 7KV
QVP2014	180	-1.0	-2.0	-16	- (16-10 log ₁₀ (f/40))	-	0 to 70	1500Vrms	-
QVP2014R	180	-1.0	-2.0	-16	- (16-10 log ₁₀ (f/40))	-	0 to 70	1500Vrms	-
QVP2014S	180	-1.0	-2.0	-16	- (16-10 log ₁₀ (f/40))	-	0 to 70	4000Vrms	Surge DM 4.3KV
QVP2014RM	180	-1.0	-2.0	-16	- (16-10 log ₁₀ (f/40))	-	-40 to 85	1500Vrms	-
QVP2014RS2	180	-1.0	-2.0	-16	- (16-10 log ₁₀ (f/40))	-	0 to 70	4000Vrms	Surge CM/ DM 6KV

Note: Refer to the specification for detail

Process and Materials

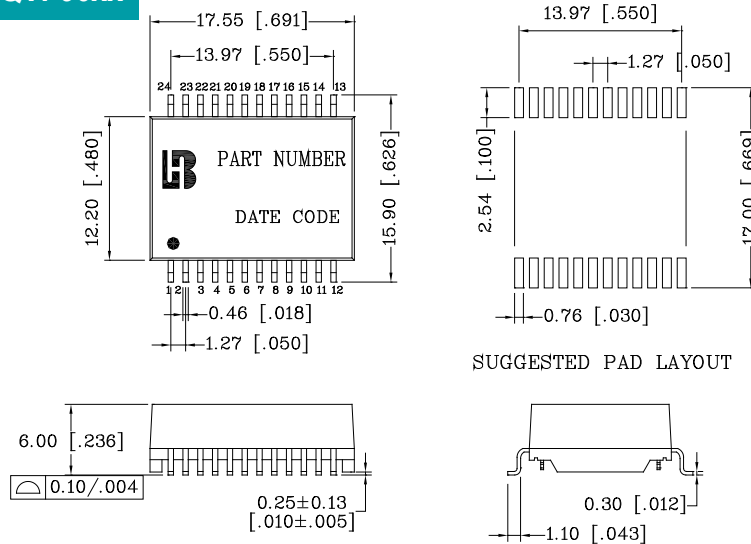
- Storage Temperature: Refer to the specification for details
- Compliance to J-STD:
 - J-STD-002: Solderability at 245°C Reflow Profile
 - J-STD-020: Moisture Sensitive Level 1
 - J-STD-075: R7, 245°C Maximum Through Reflow Solder
- All parts come in 13" (330mm) Diameter Tape and reel | - see page 3 for details
- Header: DAP (Diallyl Phthalate) with flammability Rating UL 94V-0 or better
- 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

5GBase-T Single Port Magnetic Modules

QVP2014, QVP6014, QVP9014

Mechanical

QVP2014xx, QVP60xx, QVP90xx



Dimensions: mm / [Inches]

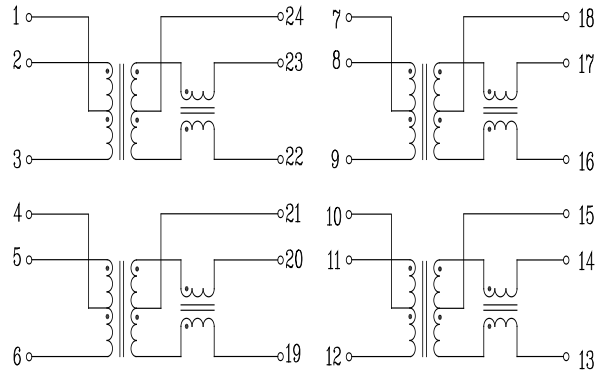
Unless otherwise specified, all tolerance are

xx.xx ± 0.25 [.010]

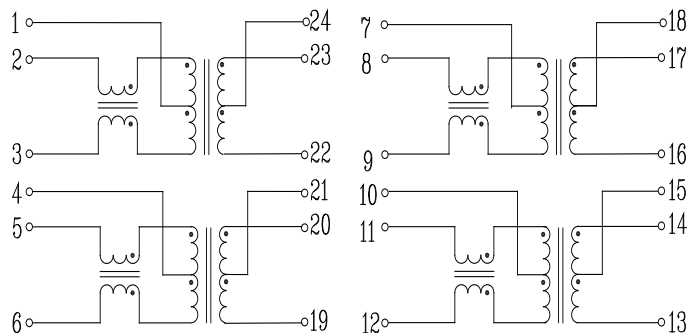
0.xx ± 0.05 [.002]

Schematic

QVP2014, QVP2014S, QVP6014M



QVP2014Rxx, QVP6014Rxx, QVP9014Rxx



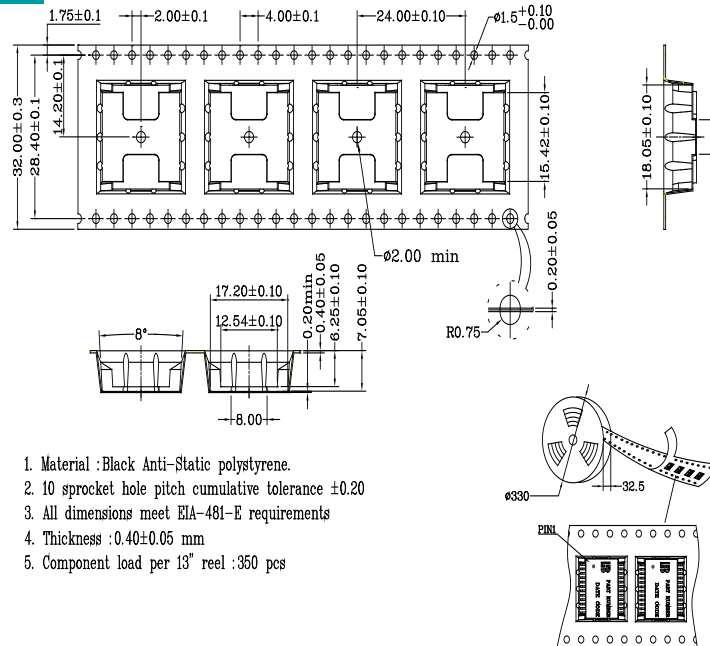
5GBase-T Single Port Magnetic Modules

QVP2014, QVP6014, QVP9014



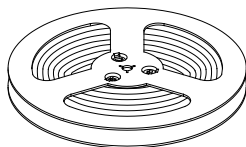
Tape & Reel

QVP20xx, QVP60xx, QVP90xx

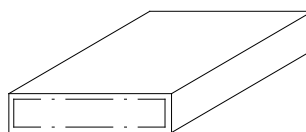


Carton Package

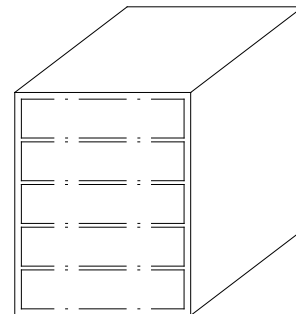
QVP20xx, QVP60xx, QVP90xx



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:

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