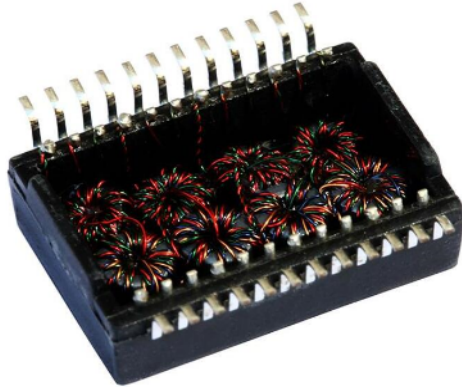


LAN Discrete Transformer



10G Base-T magnetic modules



Features and Benefits

- ◆ Compliant with RoHS requirements
- ◆ Compliant with Halogen Free requirement

Electrical performance summary

- ◆ Cable interface for isolation and low common mode emissions
- ◆ Compliant with IEEE 802.3an standard for 10G base-T
- ◆ Turns Ratio: 1CT:1CT±5%
- ◆ Isolation Hipot: 1500VAC 1mA 60S

Electrical Specifications @ 25°C

Part Number	MECH. Drawing	Insertion Loss (dB)				Return Loss (dB)					Cross talk (dB)	CMRR (dB)	PoE Rating	Number of Ports	Temperature	Package
		Max				Min					Typ	Typ				
		1-200	200-300	300-400	400-500	1-100	100-200	200-300	300-400	400-500	1-500MHz	1-500MHz				
SM24P01 G	A Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	NON-PoE	SINGLE	0 to 70	SMD
SM24P02 G	A Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-20	NON-PoE	SINGLE	0 to 70	SMD
SM24P03 G	A Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	NON-PoE	SINGLE	0 to 70	SMD
SM24P03P G	A Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	15W	SINGLE	0 to 70	SMD
SM24P03-1P G	A Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	30W	SINGLE	0 to 70	SMD
SM24P03-2P G	A Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	60W	SINGLE	0 to 70	SMD
SM24P05 G	A Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	NON-PoE	SINGLE	0 to 70	SMD
SM24P05P G	A Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	15W	SINGLE	0 to 70	SMD
SM24P05-1P G	A Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	30W	SINGLE	0 to 70	SMD
SM24P05-2P G	A Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	60W	SINGLE	0 to 70	SMD
SM24701 G	B Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	NON-PoE	SINGLE	0 to 70	SMD
SM24702 G	B Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	NON-PoE	SINGLE	0 to 70	SMD
SM24702P G	B Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	15W	SINGLE	0 to 70	SMD
SM24702-1P G	B Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	30W	SINGLE	0 to 70	SMD
SM24702-2P G	B Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	60W	SINGLE	0 to 70	SMD
SM24706 G	B Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	NON-PoE	SINGLE	0 to 70	SMD
SM24706P G	B Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	15W	SINGLE	0 to 70	SMD
SM24706-1P G	B Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	30W	SINGLE	0 to 70	SMD
SM24706-2P G	B Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	60W	SINGLE	0 to 70	SMD
SM24707 G	B Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	NON-PoE	SINGLE	0 to 70	SMD
SM48001 G	C Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	NON-PoE	DUAL	0 to 70	SMD
SM48002 G	C Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	NON-PoE	DUAL	0 to 70	SMD
SM48003 G	C Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	NON-PoE	DUAL	0 to 70	SMD
SM48004 G	C Type	-1.2	-1.5	-2	-3.0	-18	-16	-12	-10	-8	-25	-25	NON-PoE	DUAL	0 to 70	SMD

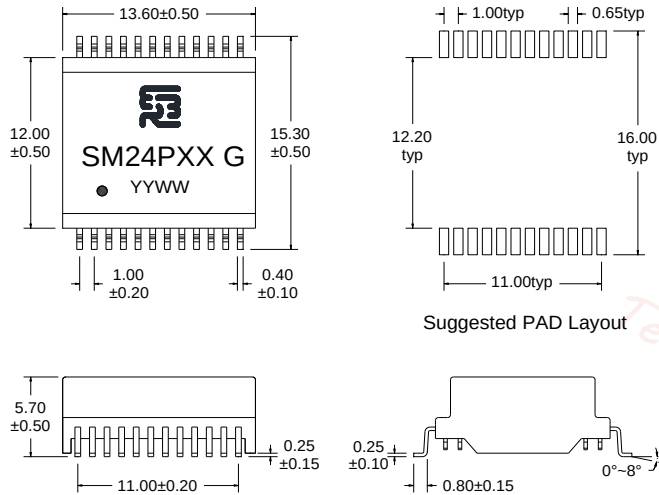
Notes:

1. PoE Support 15/30/60W: Each channel support 350/720/1200mA DC balance current.

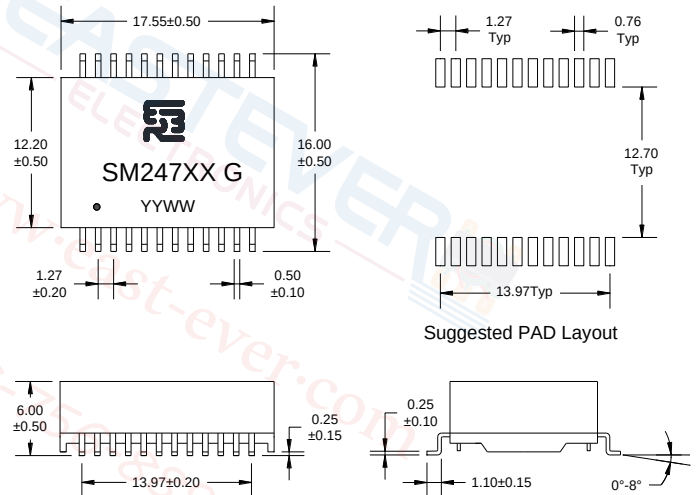
10G Base-T magnetic modules

Mechanicals

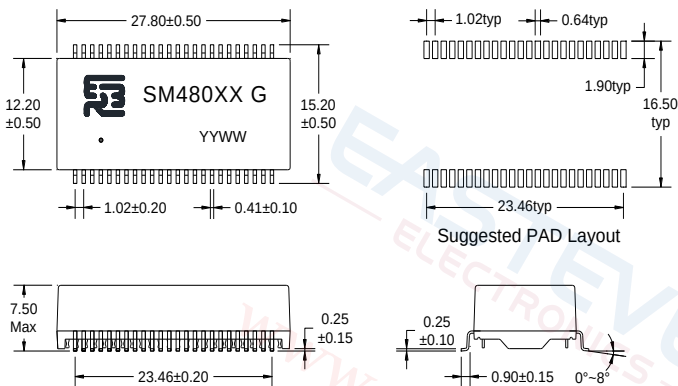
A Type



B Type



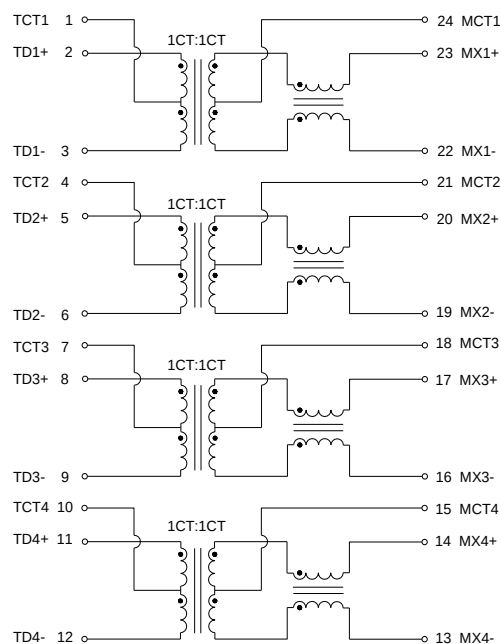
C Type



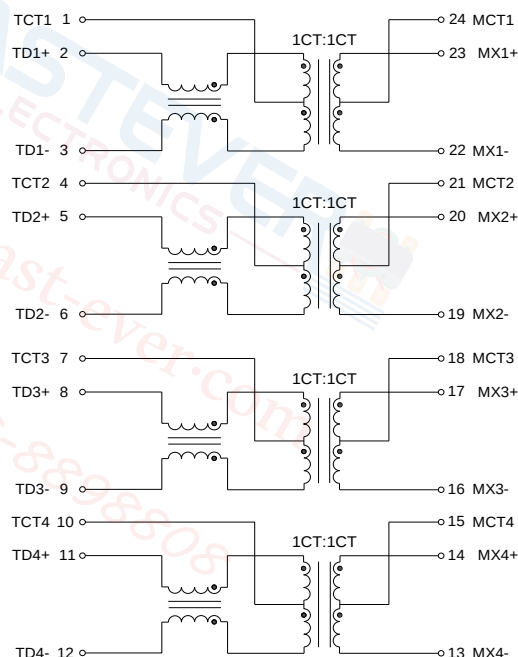
10G Base-T magnetic modules

Schematics

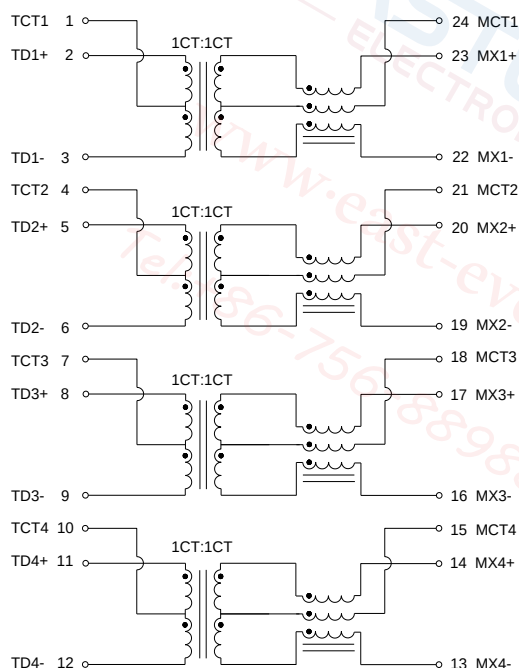
SM24P01 G/SM24701 G



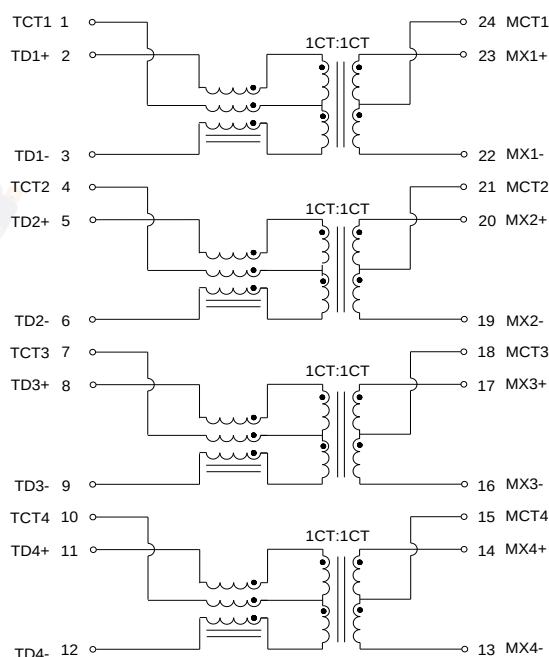
SM24P05 G/SM24P05P G/SM24P05-1P G/SM24P05-2P G SM24702 G/SM24702P G/SM24702-1P G/SM24702-2P G



SM24P02 G/SM24707 G



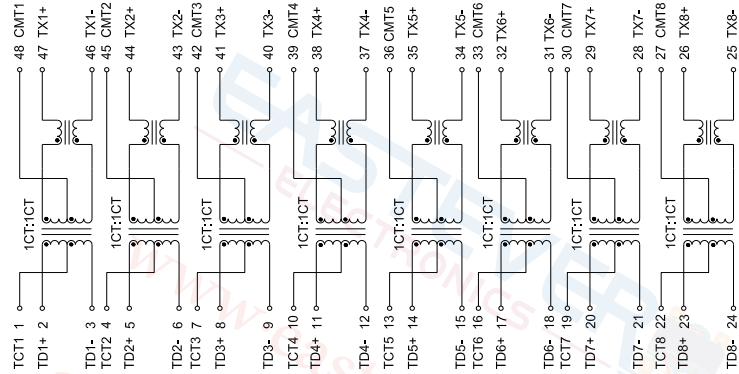
SM24P03 G/SM24P03P G/SM24P03-1P G/SM24P03-2P G SM24706 G/SM24706P G/SM24706-1P G/SM24706-2P G



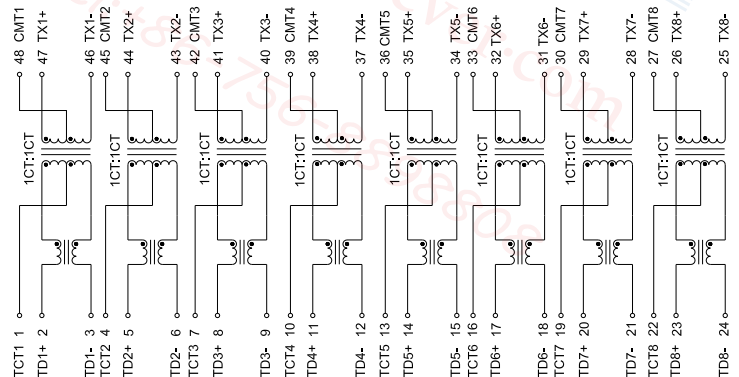
10G Base-T magnetic modules

Schematics

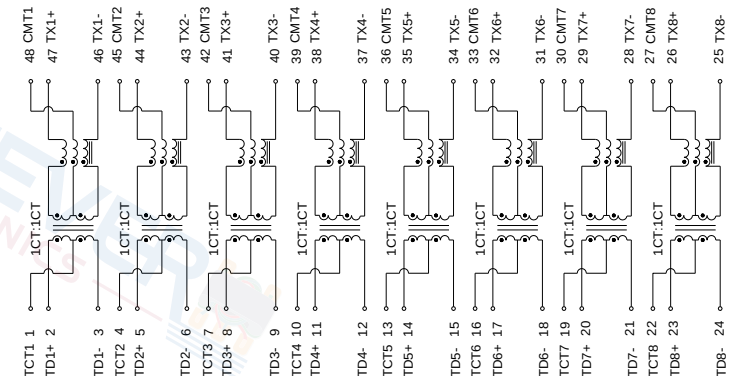
SM48001 G



SM48004 G



SM48003 G



SM48002 G

