

10/100 BASE-T TRANSFORMER MODULES

- ☞ **C**ompliant With IEEE 802.3 standards including Baseline Wander Compensation specification of 350uH OCL when biased at 8mA from 0°C to 70°C
- ☞ **S**ingle Channel Interface For 10/100Mbps Ethernet Applications with CMC's tuned to enhance EMC system performance.
- ☞ **F**or RoHS Part Add Suffix G.



ELECTRICAL SPECIFICATIONS @ 25°C (Operating Temperature 0°C to 70°C)

Part Number	Insertion Loss (dB max)		Return Loss (dB min)			CMRR (dB min)			Crosstalk (dB min)	
	0.3-100MHz	0.3-30MHz	40MHz	50MHz	60-80MHz	0.3-30MHz	60MHz	80-100MHz	0.3-60MHz	60-100MHz
H16118DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35
H16119DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35
H16120DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35
H16121DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35
H16122DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35
H16123DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35
H16124DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35
H16125DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35
H16127DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35
H16128DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35
H16129DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35
H16130DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35
H16131DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35
H16132DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35
H16133DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35
H16134DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35
H16135DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35
H16136DF	-1.1	-18	-16	-14.5	-12	-40	-35	-30	-42	-35

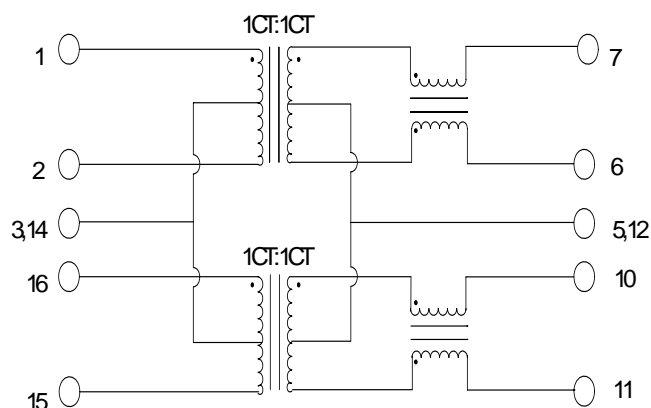
Note :

* Operating Temperature : -40°C to 85°C
All models meet Isolation Voltage (HiPot) of 1500Vrms

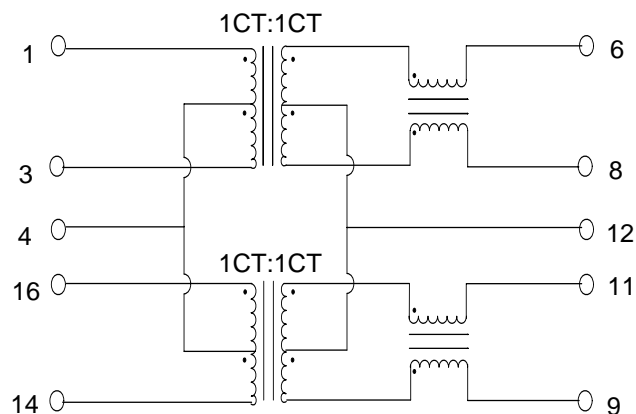
IO/IOO BASE-T TRANSFORMER MODULES

SCHEMATICS (Continued)

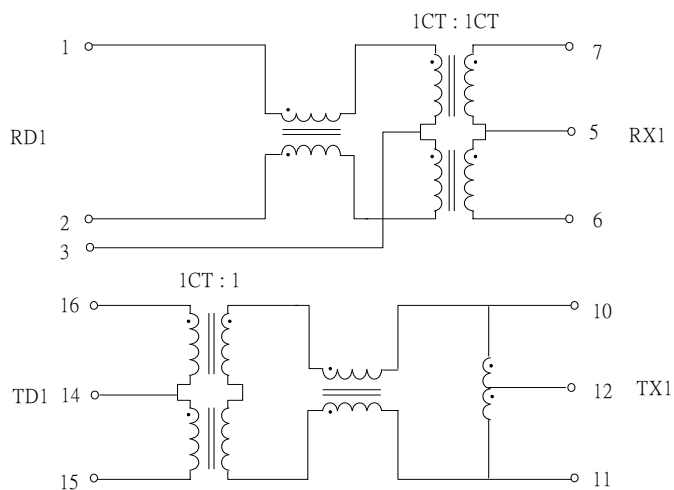
H16118DF



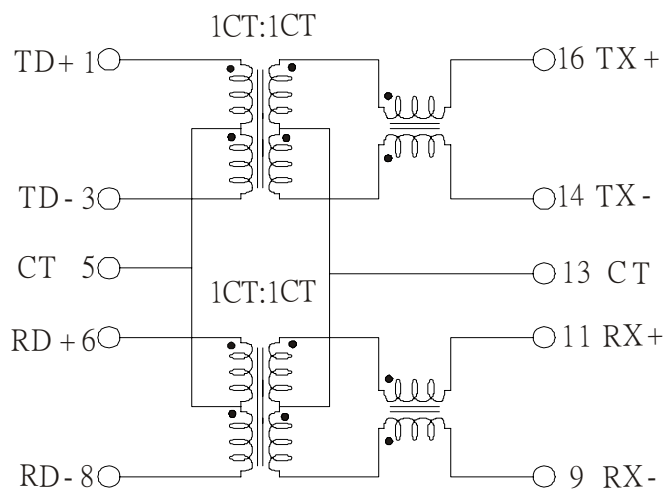
H16119DF



H16120DF



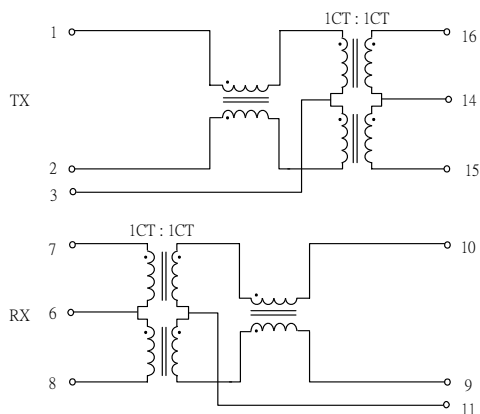
H16121DF



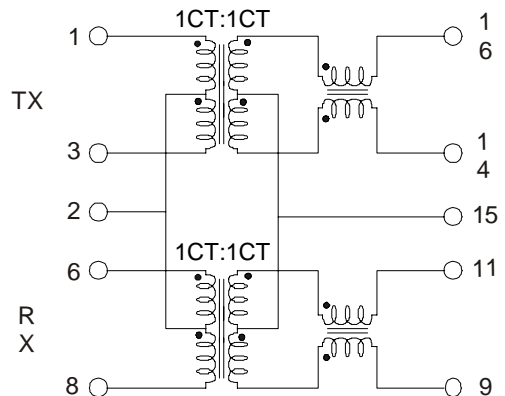
IO/IOO BASE-T TRANSFORMER MODULES

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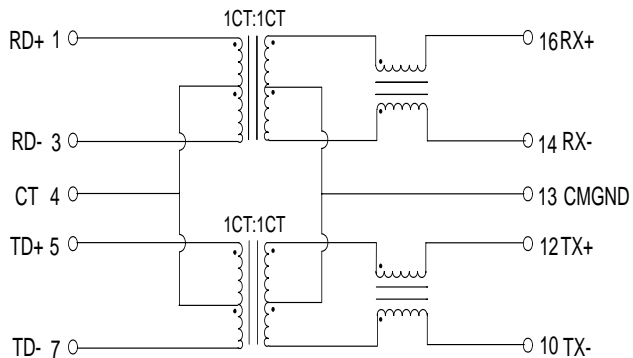
H16122DF



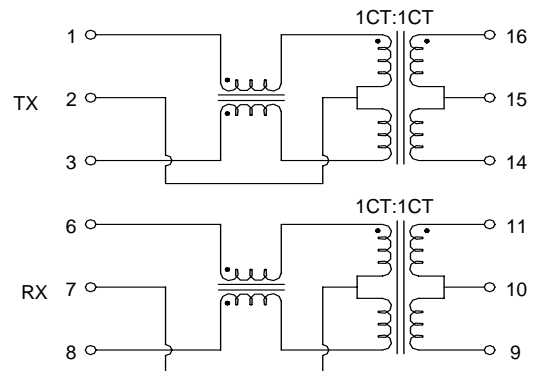
H16123DF



H16124DF



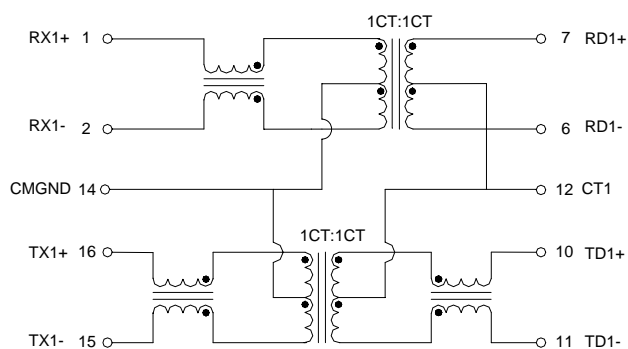
H16125DF



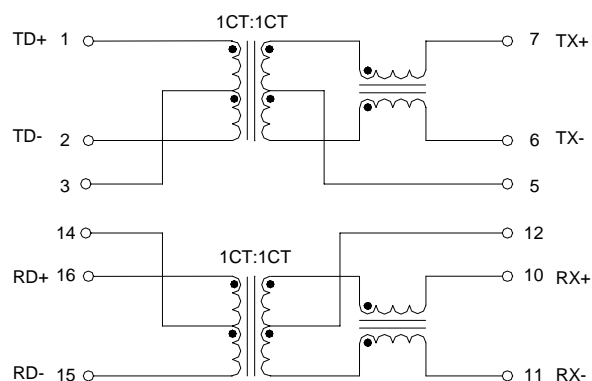
IO/IOO BASE-T TRANSFORMER MODULES

SCHEMATICS (Continued)

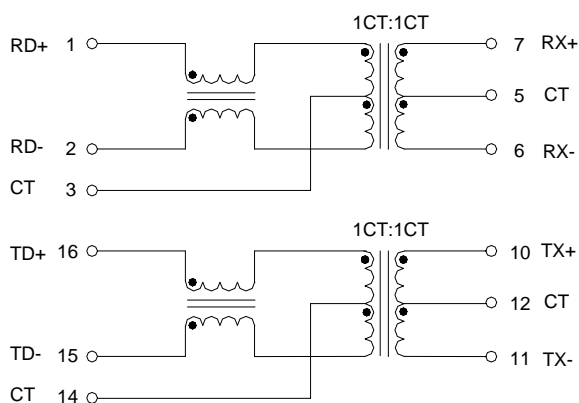
H16127DF



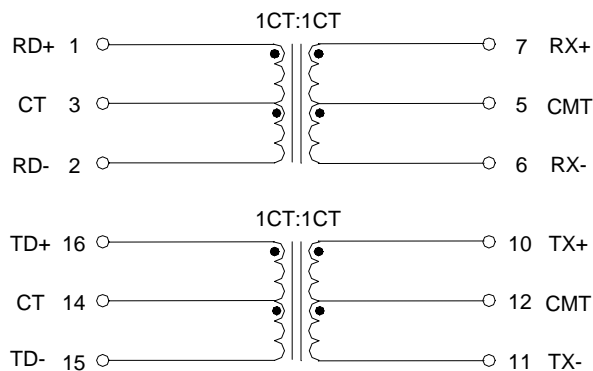
H16128DF



H16129DF



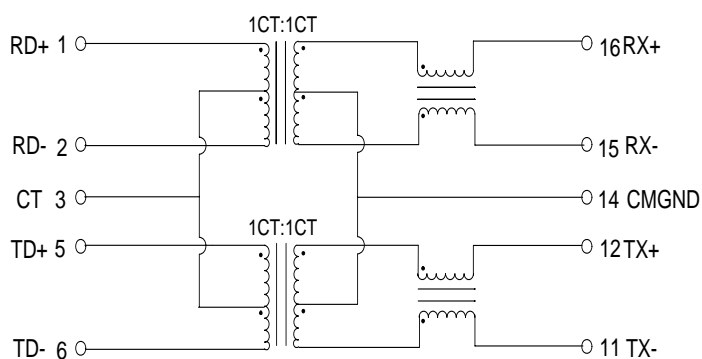
H16130DF



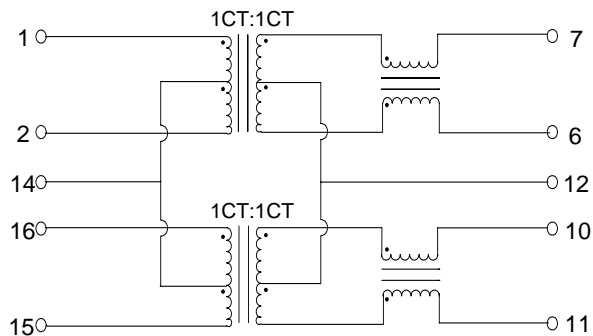
IO/IOO BASE-T TRANSFORMER MODULES

SCHEMATICS (Continued)

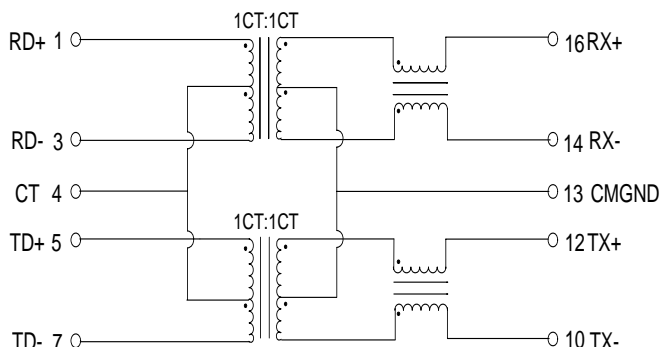
H16131DF



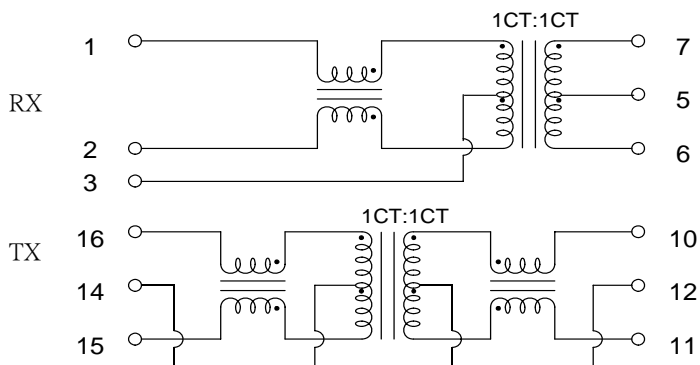
H16132DF



H16133DF



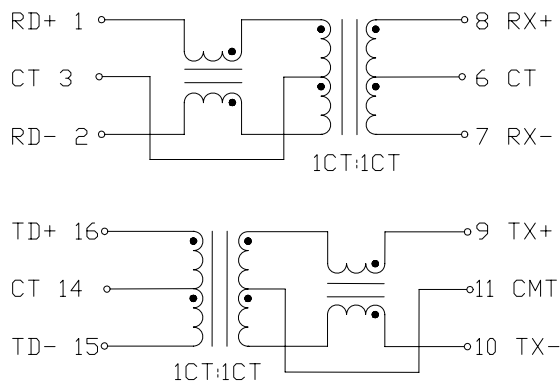
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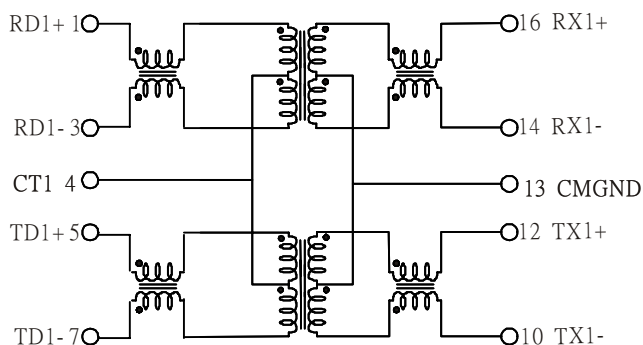
IO/IOO BASE-T TRANSFORMER MODULES

SCHEMATICS (Continued)

H16135DF

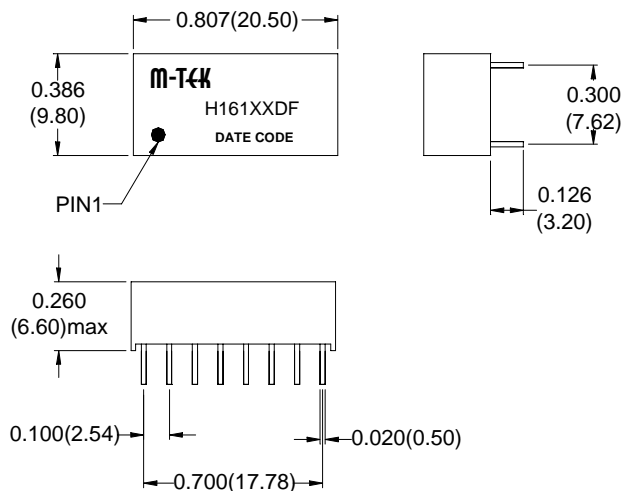


H16136DF



MECHANICAL SPECIFICATIONS (Continued)

H161XXDF 系列



H16118DF: PIN4&13&8&9 OMITTED
 H16123DF: PIN4,5,7&10,12,13 OMITTED
 H16127DF: PIN4,13 OMITTED
 H16130DF: PIN4,8,9,13 OMITTED
 H16132DF: PIN4,8,9,13 OMITTED
 H16135DF: PIN4,5,12,13 OMITTED

H16120DF: PIN4&13&8&9 OMITTED
 H16124DF: PIN2,6,8,9,11,15 OMITTED
 H16128DF: PIN4,8,9,13 OMITTED
 H16131DF: PIN4,7,8,9, 10,13 OMITTED
 H16134DF: PIN4,13 OMITTED

DIMENSIONS INCHES/(mm) ; UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE $\pm 0.01(0.25)$.

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