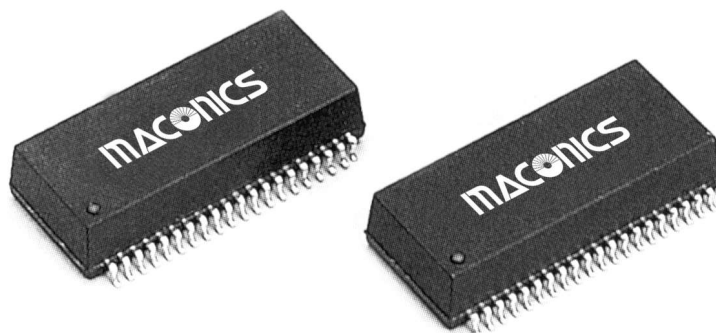


10/100 BASE-T QUAD PORT TRANSFORMER MODULES



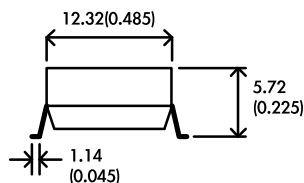
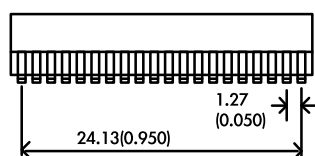
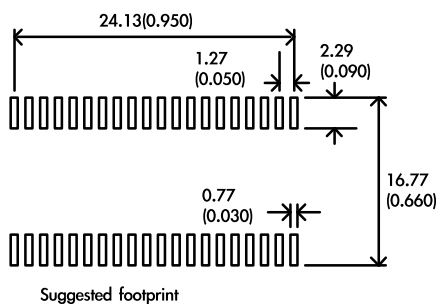
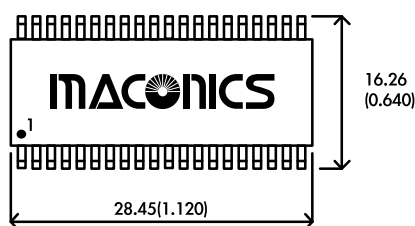
With Various Transmit Turn Ratios



Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

Part Number	Transmit Turns Ratio	Return Loss (dB TYP)				Crosstalk (dB MIN)				Common to Common Rejection Ratio 0.1-60 MHz (dB MIN)		Differential to Common Mode Rejection (dB MIN)	
	PRI:SEC	2-30 MHz	40 MHz	50 MHz	60-80 MHz	1 MHz	30 MHz	60 MHz	100 MHz	Transmit	Receive	0.1-60 MHz	60-200 MHz
HS2174	1.25:1	-18	-16	-14	-12	-60	-50	-40	-35	-45	-30	-53	-40
HS2226	1:√2	-18	-16	-14	-12	-60	-50	-40	-35	-40	-30	-45	-35
HS2103	√2:1	-18	-16	-14	-12	-60	-50	-40	-35	-35	-35	-40	-30

Mechanical



HS2174

RD1+ 1	○	RX CMC	↑	1:1	RX XFRMR	○	40 RX1+
RD1- 2	○					○	39 RX1-
TD1- 3	○					○	38 TX1-
TCT1 4	○	1,25:1	↓		TX CMC	○	37 CMT1
TD1+ 5	○	TX XFRMR				○	36 TX1+
RD2+ 6	○	RX CMC	↑	1:1	RX XFRMR	○	35 RX2+
RD2- 7	○					○	34 RX2-
TD2- 8	○					○	33 TX2-
TCT2 9	○	1,25:1	↓		TX CMC	○	32 CMT2
TD2+ 10	○	TX XFRMR				○	31 TX2+
RD3+ 11	○	RX CMC	↑	1:1	RX XFRMR	○	30 RX3+
RD3- 12	○					○	29 RX3-
TD3- 13	○					○	28 TX3-
TCT3 14	○	1,25:1	↓		TX CMC	○	27 CMT3
TD3+ 15	○	TX XFRMR				○	26 TX3+
RD4+ 16	○	RX CMC	↑	1:1	RX XFRMR	○	25 RX4+
RD4- 17	○					○	24 RX4-
TD4- 18	○					○	23 TX4-
TCT4 19	○	1,25:1	↓		TX CMC	○	22 CMT4
TD4+ 20	○	TX XFRMR				○	21 TX4+

[illegible]