

Feature

◆ Designed to meet IEEE802.3u requirement.

◆ Primary inductance 400μH min. with 8mA DC Bias

Specifications

Parameter	Condition	Min.	Typ.	Max	Unit
Inductance	Pin(15-14)/(7-6)	400	Note 1		μH
Turn Ratio	Pin(15-14):(2-3)		1 : 1		
	Pin(7-6) : (11-10)		1 : 1		
Insertion Loss	@1-32MHz			-0.6	dB
	@60MHz			-0.8	dB
	@100MHz			-1.5	dB
Return Loss	@1-10MHz	-20.0			dB
	@30MHz	-18.0			dB
	@40MHz	-16.0			dB
	@60MHz	-12.0			dB
	@80MHz	-10.0			dB
Hi-Pot	Pin(2-3)to(15-14)	1850			Vrms
	Pin(11-10)to(7-6)	1850			Vrms

Parameter	Condition	Min.	Typ.	Max	Unit
DCR	Pin(14-16)/(6-8)			0.5	ohms
DCR	Pin(2-1)/(3-1)			0.5	ohms
	Pin(9-10)/(9-11)			1.0	ohms
Crosstalk	@1MHz	-42.0			dB
	@32MHz	-40.0			dB
	@62MHz	-40.0			dB
	@100MHz	-38.0			dB
CMRR(TX)	@5MHz	-45.0			dB
	@32MHz	-40.0			dB
	@62MHz	-37.0			dB
	@100MHz	-32.0			dB
	@200MHz	-25.0			dB
	@500MHz	-15.0			dB

Note 1: measured at 8mAdc over operating temperature 0~70°C

Dimension

Schematic

