

MODEL NO.: F1682S

Feature:

- ◆Designed to meet IEEE802.3u requirement.
- ◆Symmetrical TX and RX channels for auto MDI/MDIX capability.
- ◆Primary inductance 350H min. with 8mA DC Bias.
- ◆Designed to meet IR 235°C (250°C , 1 sec. Peak) requirement.

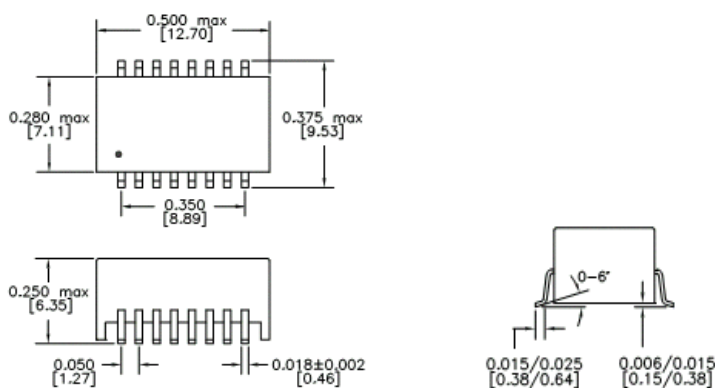
Specifications @ 250C

Parameter	Condition	Min.	Typ.	Max.	Unit
Inductance	Pin(1-3) Pin(6-8)	350	*Note 1		μH
Turn Ratio	Pin(1-3):(16-14)		1 : 1		
	Pin(6-8) : (11-9)		1 : 1		
Insertion Loss	@1-100MHz			-1.0	dB
Return Loss	@1-30MHz	-16			dB
	@30-60MHz		*Note 2		dB
	@60-80MHz	-10			dB
Cross Talk	@1-60MHz	-40			dB
	@60-100MHz	-38			dB
CMRR (TX/RX)	@1-60MHz	-45/-40			dB
	@60-100MHz	-40/-35			dB
Voltage Isolation		1500			Vrms

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

Note 2: Greater than 16-20 log(f/30 MHz)dB

Dimension



Schematic

