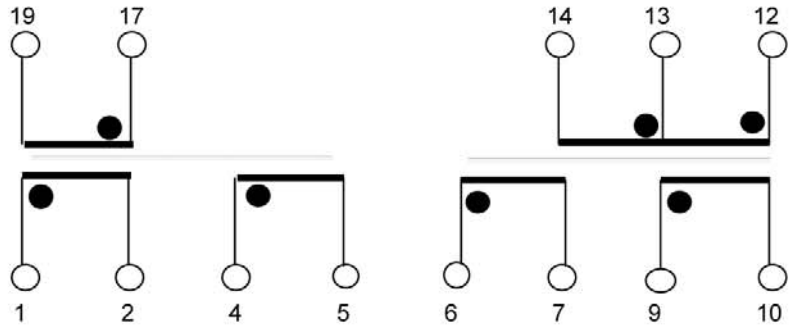
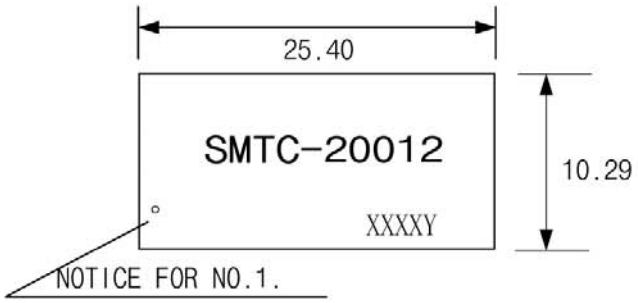
SCHEMATIC & DIMENSION		INDEX	R01
ITEM	VDSL TRANSFORMER SM TC-20012	**DATE**	2000. 08. 30.

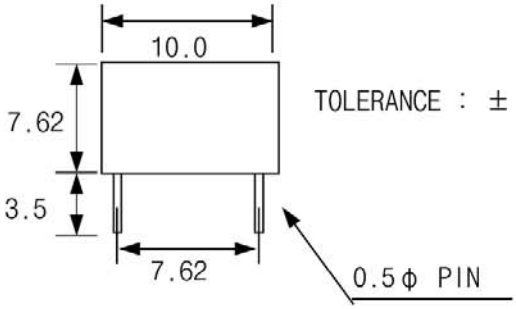
1-1. SCHEMATIC



TURN RATIO
1-5 (2-4 SHORT) : 19-17 &
6-10 (7-9 SHORT) : 12-14
2 :1 & 1 : 1 (TX : RX)

1-2. DIMENSION





1-3. ELECTRIC FEATURE

SM TC-20012	INDUCTANCE [uH]		INSERTION LOSS [dB]	DCR [Ω]
	f=10kHz, IOS=0.5V		f=300kHz ~ 30MHz	
STANDARDS	MIN 110 uH		MAX 0.5dB	MAX 500 mΩ
PIN MEASUREMENT	1-2	9-10	-	1-2

SM TC-20012	IMPEDANCE		Return Loss (Min)		DCR (Max)
STANDARDS	300kHz	90Ω ±5%	300kHz ~ 1MHz	13.5dB	0.5Ω
	1MHz		1MHz ~ 30MHz	22dB	
	30MHz				