

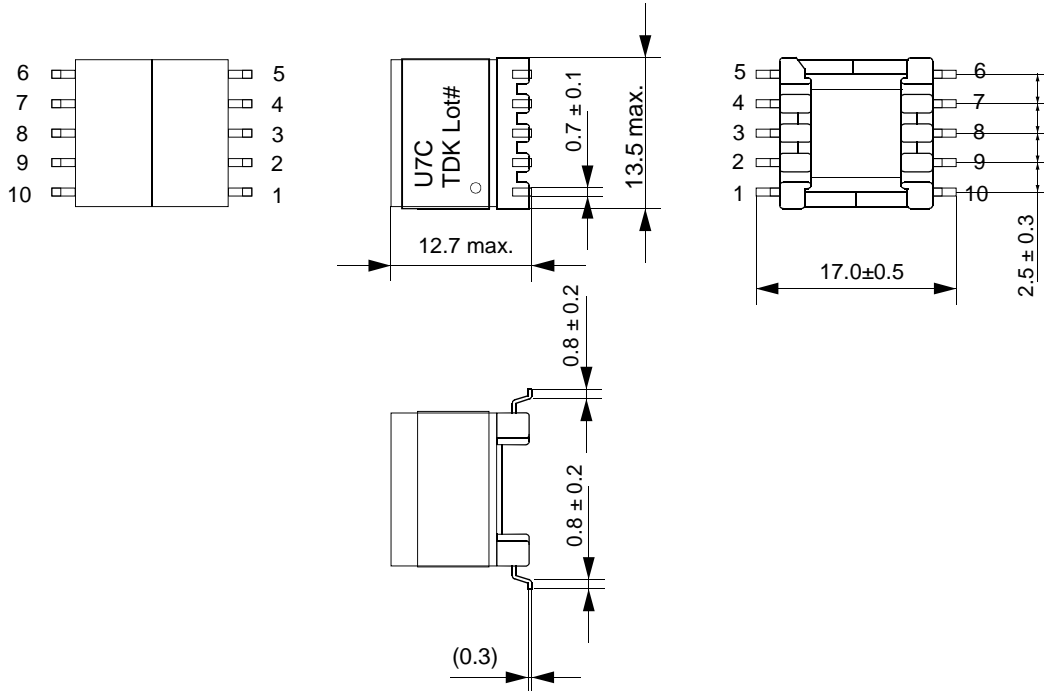
TDK Transformer

TRTEP13-U007C

GlobeSpan RADSL chip set CO side

- ◆ Corresponding to EN60950 Supplementary Insulation for 250V Working Voltage
2.5mm creepage distance , 2.0mm clearance distance

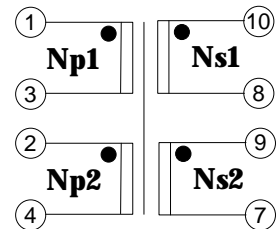
Mechanical



Electrical Specifications @25degreesC

1. Inductance 10-7(tied 9-8) : 450uH ~ 500uH at 10KHz , 0.1V
2. Leakage Inductance : 6.0 uH max at 100KHz , 0.1V
3. DCR
 - 1-4(tied 2-3) : 0.900 Ω max.
 - 10-7(tied 9-8) : 0.750 Ω max.
4. Dielectric Withstanding : AC1,500Vrms 1minute
5. Total Harmonic Distortion : -80dB min. at 100KHz , 15Vp-p
6. Longitudinal Ballance : -60dB min. at 100KHz , 0.1Vrms

Schematics



Chip Line

Np1:Np2:Ns1:Ns2 = 1.4:1.4:1:1

TDK xDSL transformers IC cross reference

2001.Jun.18 Rev. h

Safety Standard	UL1950 Basic Insulation , 120V working voltage EN60950 Supplementary Insulation , 250V working voltage	
	CO side	CP side
GlobeSpan		
RADSL	CIT1919EPCS-AD07U-01 TRTEP13-U007C	CIT1919EPCS-AD10U-01 TRTEP13-U007B
RADSL-LP	CIT1919EPCS-AD13U-01	CIT1919EPCS-AD08U-01
G7266 (CO) , G7000 (CPE)	TRTEP13-U007N (ADSL+POTS) TRTEP13-U007P (ADSL+ISDN) TRTEP7S-U035C013 (ADSL+POTS)	TRTEP13-U007D (ADSL+POTS) TRTEP13-U007R (ADSL+ISDN)
G2216 (SDSL)		TRTEP13-U010C
GS2237 (G.SHDSL)		TRTEP13S-U048B014
GS3137 (HDSL2 & G.SHDSL)		TRTEP13-U007J