



Features :

- 1) Approved by Globespan Virata for use with the Café chipset
- 2) Superb THD performance
(-91 dB typ.from 20 kHz to 1.1 MHz, T_x and R_x winding)
- 3) Complies with EN60950/BABT/TUV supplementary insulation requirements for working Voltages up to 250V_{rms}

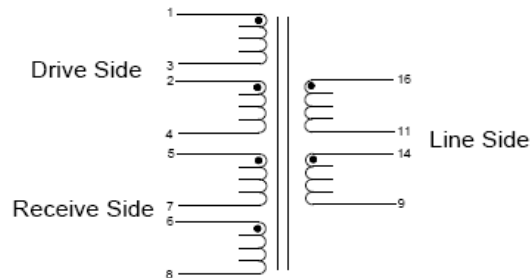
Electrical Specifications @ 25°C — Operating temperature -40°C To +85°C .

P / N : VT-1052S

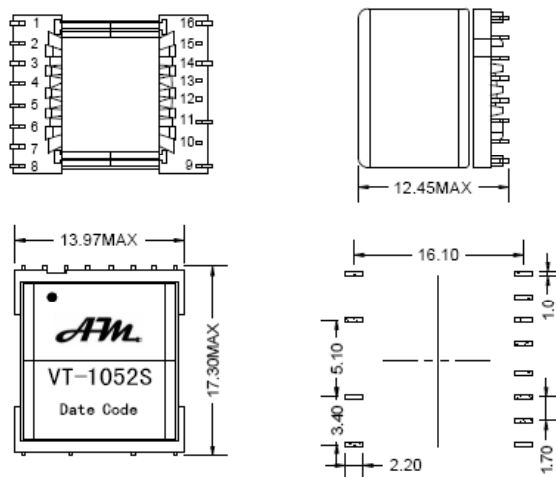
A) Electrical Specifications :

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| <ol style="list-style-type: none"> 1) Turn Ratio : (10KHz,0.1V)
(16-9):(1-4) = 4:1 +/-1% (short2+3,11+14)
(16-9):(5-8) = 2:1 +/-1% (short6+7,11+14) 2) Inductance (16-9): 700±6% uH @10KHz,0.1V (short11+14) 3) Leakage Inductance (16-9):
25.0uH Max.@100KHz 0.1V (short 11+14 ,1+4,2+3)
23.0uH Max.@100KHz 0.1V (short 11+14 ,5+8,6+7) 4) Interwinding Capacitance (C_{ww})
50.0pF Max@100KHz 0.1V (1-16)(short 2+3,11+14)
50.0pF Max@100KHz 0.1V (9-8)(short 6+7,11+14) | <ol style="list-style-type: none"> 5) D.C.Resistance :
(1-3) = (2-4) = 0.495 ohm Max
(5-7) = (6-8) = 0.875 ohm Max
(14-9) = 1.50 ohm Max (16-11) = 2.20 ohm Max 6) Total Harmonic Distortion :
-80 dB Max.@10KHz,3Vrms (8.49 Vp-p),Line:IC
-85 dB Max.@20KHz,5.3Vrms (15.0 Vp-p),Line:IC (-90.0 dB Typ.) 7) Longitudinal Balance(16-9) :
55dB Min@35KHz-650KHz(short 11+14) 8) Isolation voltage : 1500Vrms Min |
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B) Schematics



C) Mechanical Dimensions (Unit: mm)



Unless otherwise specified, all tolerances are ± 0.25