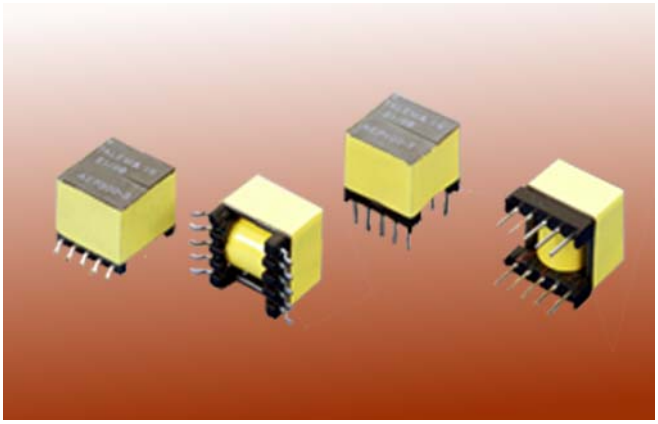
ADSL Transformers for Analog Devices Chipsets



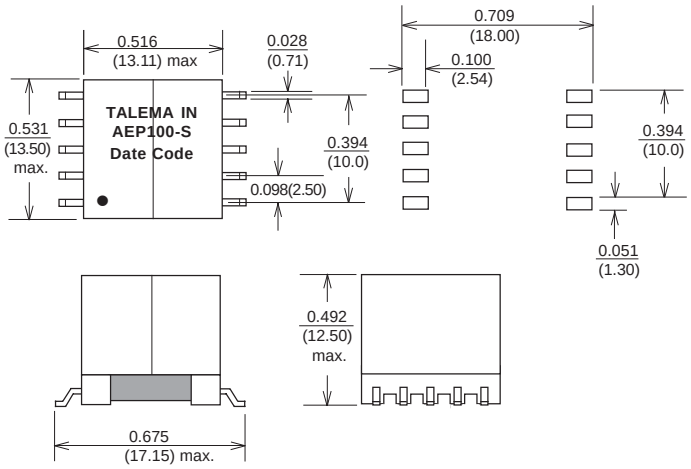
Features

- complies with ANSI and ETSI requirements
- matched to Analog Devices AD20MSP910, AD20MSP918 and AD20MSP930 chipsets
- very low THD
- 1500V minimum isolation
- all materials approved to UL94V-0
- excellent quality at competitive price due to high volume production
- manufactured in an ISO-9001:2000, TS-16949:2002
- fully RoHS compliant and meets lead free reflow level J-STD-020C

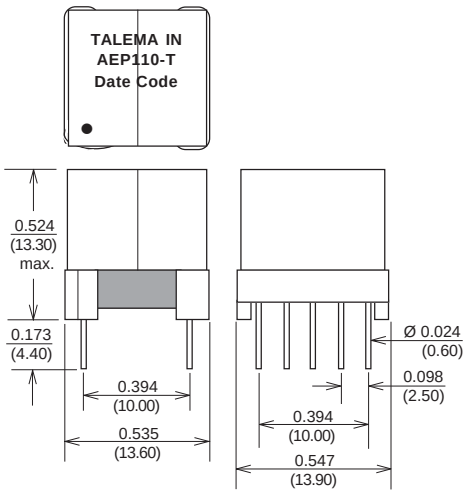
Electrical Specifications @ 25°C • Operating Temperature -40° to +85°C

Part Number	Package	IC Driver	Turns Ratio ±2% Line : IC	L_P (mH)	L_L (µH) Max	C_{WW} (pF) Max	DCR (Ohms) Max Line / IC	THD (Linearity) Typical	Longitudinal Balance Min	Insertion Loss Max	Frequency Response Max	Isolation Voltage (Vrms)
AEP100-T AEP100-S	TH SMD	AD20MSP910 CO/CPE AD20MSP918 CO/CPE	1 : 1	5.0 ±10%	25	60	3.00 / 3.00	-80dB 30kHz	-46dB 10kHz-1.1MHz	0.5dB 300kHz	1.0dB 30kHz -1.1MHz	1500
AEP110-T AEP110-S	TH SMD	AD20MSP918 CO	1.27 : 1	3.22 ±10%	7.5	50	2.45 / 2.00	-80dB 30kHz	-50dB 30kHz-1.1MHz	0.5dB 100kHz	1.0dB 30kHz -1.1MHz	1500
AEP120-T AEP120-S	TH SMD	AD20MSP930 CO	1.11 : 1	2.03 Min.	10	60	1.30 / 1.50	-80dB 30kHz	-50dB 30kHz-1.1MHz	0.5dB 100kHz	1.0dB 30kHz -1.1MHz	1500
AEP130-T AEP130-S	TH SMD	AD20MSP930 CPE	1.2 : 1	2.42 Min.	10	50	1.30 / 1.50	-80dB 30kHz	-50dB 30kHz-1.1MHz	0.5dB 100kHz	1.0dB 30kHz -1.1MHz	1500
AEP140-T AEP140-S	TH SMD	AD20MSP910 CO/CPE AD20MSP918 CO/CPE	1 : 1	5.0 ±10%	25	60	3.0 / 3.0	-80dB 30kHz	-40dB 30kHz-1.1MHz	0.5dB 100kHz	1.0dB 30kHz -1.1MHz	1500

Package "S"

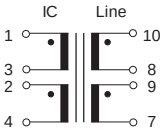


Package "T"

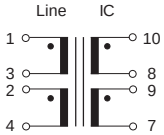


Schematic

AEP100, AEP110
AEP120, AEP130



AEP140



Dimensions: Inches(Millimeters)
Tolerance: ±0.010 (0.25)

Weight: 6.8 grams

Germany: Int.+49 89 - 841 00-0 • Ireland: Int.+35 374 - 954 8666 • Czech Rep: Int.+420 37 - 744 9303 • India: Int.+91 427 - 2441325
http://www.talema-nuvotem.com