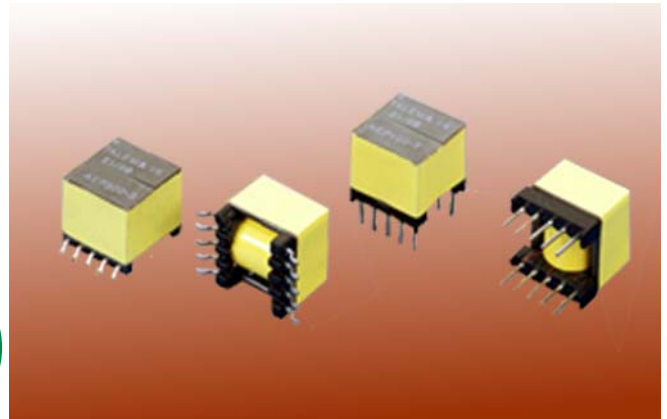




ADSL Transformers for Motorola's Chipsets

Features

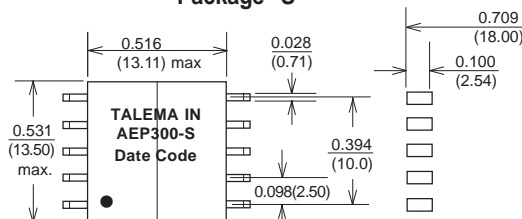
- complies with ANSI and ETSI requirements
- matched to Motorola's MC03AX1456RT, MC03AX1456, MC143460 & MC143462 chipsets
- very low THD
- 1500V minimum isolation
- all material approved to UL94V-0
- excellent quality at competitive price due to high volume production
- manufactured in an ISO-9001:2000, TS-16949:2002 and ISO-14001:2004 certified Talema facility
- fully RoHS compliant and meets lead free reflow level J-STD-020C



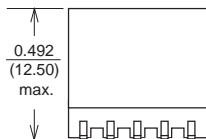
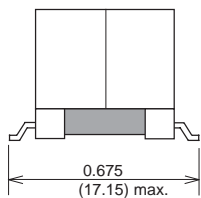
Electrical Specifications @ 25°C • Operating Temperature -40° to +85°C

Part Number	Package	IC Driver	Turns Ratio ±2% Line : IC	L _P (mH) ±5%	L _L (μH) Max	C _{ww} (pF) Max	DCR (Ohms) Max Line / IC	THD (Linearity) Typical	Longitudinal Balance Min	Insertion Loss Max	Freq. Response Max	Isolation Voltage (Vrms)
AEP300-T AEP300-S	TH SMD	MC03ZX1456RT CPE	1 : 1.8	3.96	25	50	4.40 / 8.00	-80dB 30kHz	-40dB 25kHz-1MHz	0.5dB 100kHz	0.5dB 30kHz-1.1MHz	1500
AEP310-T AEP310-S	TH SMD	MC03AX1456 CO & CPE	1.2 : 1	3.96	15	50	4.20 / 3.80	-80dB 100kHz	-40dB 25kHz-1MHz	0.5dB 100kHz	0.5dB 30kHz-1.1MHz	1500
AEP320-T AEP320-S	TH SMD	MC143460/462	1.2 : 1	3.96	15	50	2.90 / 2.50	-80dB 100kHz	-40dB 25kHz-1MHz	0.5dB 100kHz	0.5dB 30kHz-1.1MHz	1500
AEP330-T AEP330-S	TH SMD	MC0SAX1456RT CPE	1 : 1.8	3.96	25	60	4.40 / 8.00	-80dB 30kHz	-40dB 25kHz-1MHz	0.5dB 100kHz	0.5dB 30kHz-1.1MHz	1500

Package "S"



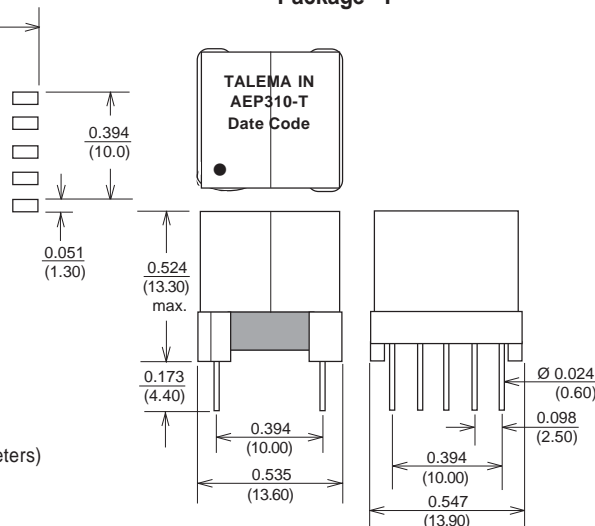
Note: P/N's AEP330-S & T will be supplied without pin #3



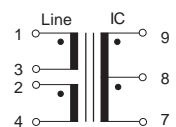
Dimensions: Inches(Millimeters)
Tolerance: ±0.010 (0.25)

Weight: 6.8 grams

Package "T"



Schematic AEP300-T & S AEP310-T & S



AEP320-T & S AEP330-T & S

