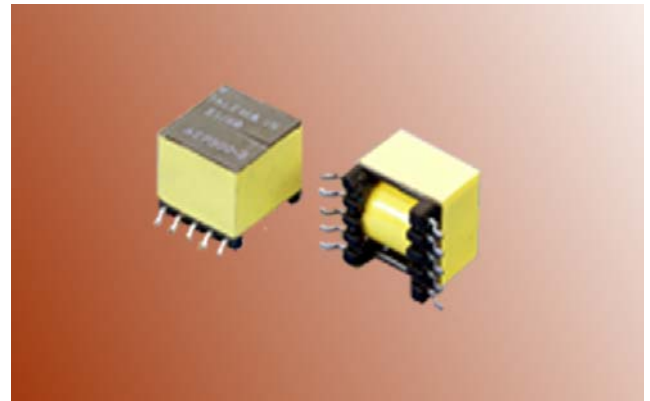




ADSL Transformers for Linear Technology's Chipsets

Features

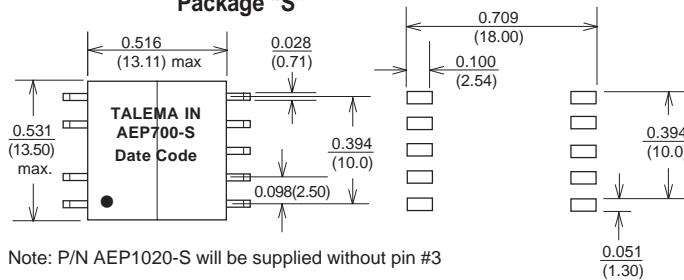
- complies with ANSI and ETSI requirements
- matched to Linear Technology's LT1497 chipsets
- very low THD
- 1500V minimum isolation
- all materials approved to UL94V-0
- excellent quality at competitive price due to high volume production
- manufactured in an ISO-9001:2000, TS-16949:2002 and ISO-14001:2005 certified Talema facility
- fully RoHS compliant and meets lead free reflow level J-STD-020C



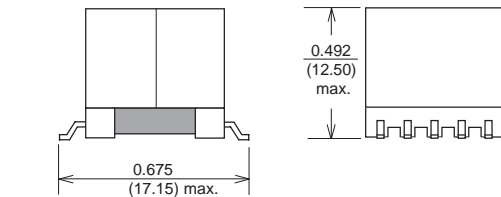
Electrical Specifications @ 25°C • Operating Temperature -40° to +85°C

| Part Number | Package | IC Driver | Turns Ratio ±2% Line : IC | L _p (μH) ±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) |
|-------------|---------|-----------|---------------------------------|-------------------------------|-------------------------------|--------------------------------|-----------------------------------|-------------------------------|--------------------------------|--------------------------|--------------------------|--------------------------------|
| AEP1020-S | SMD | LT1497 | 1 : 1.1 | 364 | 11 | 60 | 2.10 / 2.20 | -67dB 10kHz | -45dB 20kHz-1.1MHz | 1.5dB 50kHz | 1.0dB 40kHz-1.1MHz | 1500 |

Package "S"



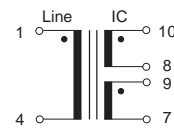
Note: P/N AEP1020-S will be supplied without pin #3



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

Weight: 6.8 grams

Schematic



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