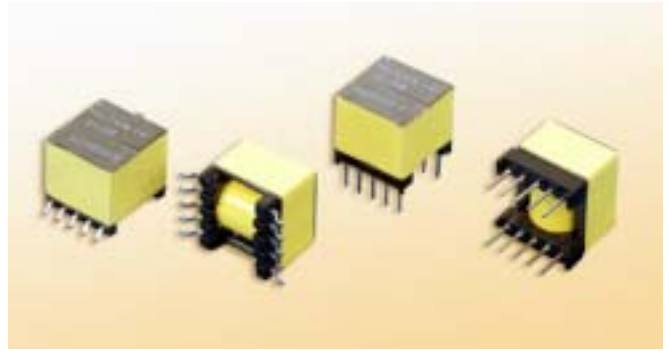


Features

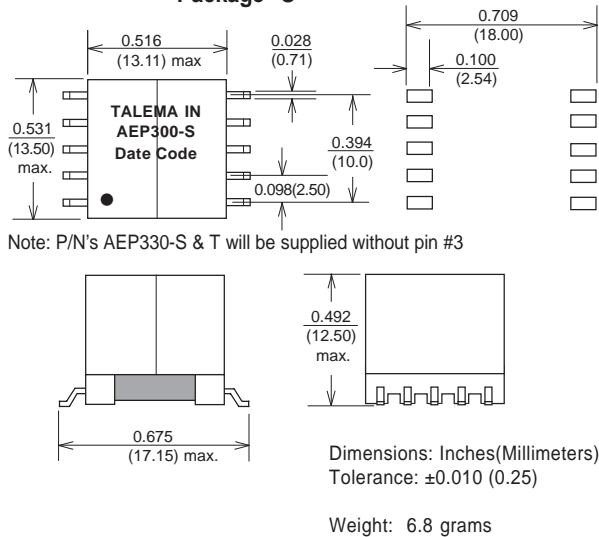
- complies with ANSI and ETSI requirements
- matched to Motorola's MC03AX1456RT, MC03AX1456, MC143460 & MC143462 chipsets
- very low THD
- 1500V minimum isolation
- all material approved to UL94V-0
- excellent quality at competitive price due to high volume production
- manufactured in ISO-9001 approved TALEMA facility



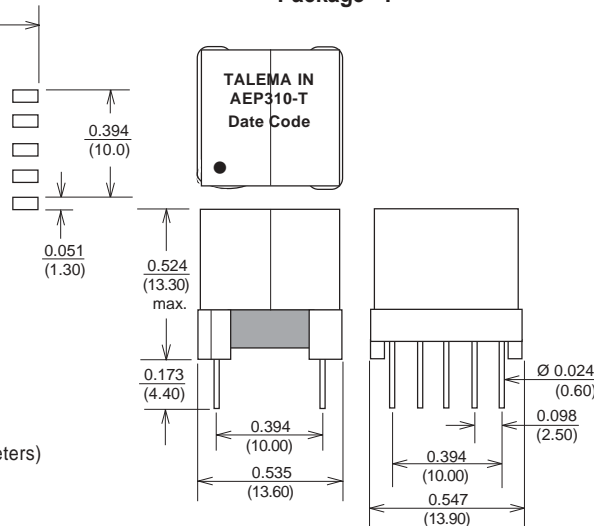
Electrical Specifications @ 25°C • Operating Temperature -40° to +85°C

| 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 | TH | 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 |
| AEP300-S | SMD | | | | | | | | | | | |
| AEP310-T | TH | 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 | |
| AEP310-S | SMD | | | | | | | | | | | |
| AEP320-T | TH | 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 | |
| AEP320-S | SMD | | | | | | | | | | | |
| AEP330-T | TH | 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 | |
| AEP330-S | SMD | | | | | | | | | | | |

Package "S"

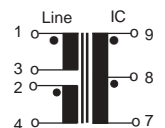


Package "T"

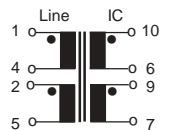


Schematic

AEP300-T & S
AEP310-T & S



AEP320-T & S
AEP330-T & S



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