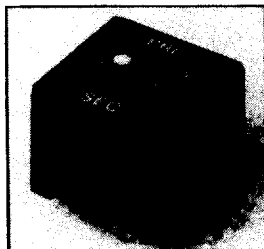


LOW DISTORTION LINE MATCHING TRANSFORMER TYPE Z1612E



GENERAL

This 600:600 ohms Line Isolation/Matching Transformer is a very low distortion version of the industry standard OEP1200 device. In common with that product this transformer is designed for applications where the telephone line current is diverted from the windings. Its use will enable users to comply with the requirements of BS6305.

CONSTRUCTION

Resin encapsulated in black ABS case and PCB mounting. All materials are UL94-V0 rated.

CHARACTERISTICS

(Measured under test circuit conditions)

Distortion: 0dB / 600 ohms, $f=450\text{Hz}$. 2nd Harmonic – 88dBm.

Insertion loss: 1.5 dB max @ 2KHz.

Return loss: -20 db @ 200Hz–4KHz.

Isolation longitudinal: 3.5KV RMS or 5KV peak.

Saturation: 10V RMS 65V peak @ 50Hz.

Balance: Better than 80 dB 200Hz–4KHz.

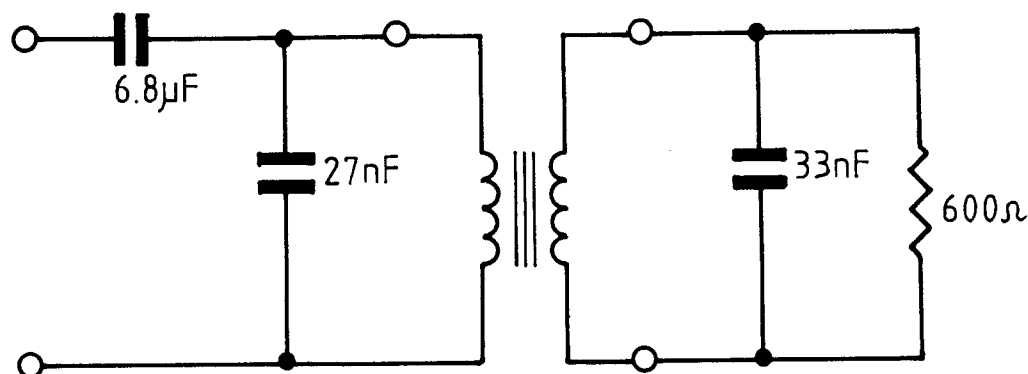
Signal/noise ratio: 33dB

dc resistance: $68\ \Omega \pm 10\%$ (n.b. not to be tested with a dc current)

Approved to BS415, EN60950 and EN41003

BABT Certificate of Recognition CR/0128

TEST CIRCUIT



DIMENSIONS

