



Notes:
 Overall gain range: -5 dB to 71 dB typical
 Quiescent current: 14 mA typical
 All resistors metal film 1%, 0.5 W unless otherwise noted
 C1 rated for 63 V
 C2, C3, C7, C10 and C11 ceramic NP0/COG or film
 C4 and C5 rated for 6.3 V
 C6 and C14 polyester film
 C8, C9, C12 and C13 rated for 25 V
 Select R8, R9 and C2 according to transformer manufacturer's recommendation or for best square-wave response
 C10 and C11 optional for best RFI protection
 Minimise stray capacity at Q1 source and gain switching network (R14-R25) for best stability
 For continuous gain trim remove S5 and replace R29 with 10k reverse log potentiometer
 Can be used with lower turns ratio transformers down to 1:2