



**Notes:**

- Overall gain range: -5 dB to 70 dB typical
- Quiescent current: 5 mA typical
- All resistors metal film 1%, 0.5 W unless otherwise noted
- C1 rated for 63 V
- C2, C4, C5, C7, C8, C12 and C13 ceramic NPO/COG or film
- C3, C6 and C9 rated for 6.3 V
- C10, C11, C14 and C15 rated for 25 V
- C16 polyester film
- Select R8, R9 = R10 and C2 according to transformer manufacturer's recommendation or for best square-wave response
- C12 and C13 optional for best RFI protection
- Minimise stray capacity at Q1 and Q2 emitter and gain switching network (R20-R31) for best stability
- Trim R12 for -0.1 V output offset of U1A

