

OMB - EM 250



The **EM 250 COMPACT** is an FM transmitter (87.5~108MHz) externally synthesized with a step of 10KHz, microprocessor controlled and with LCD display for the visualization of transmission parameters (forward and reflected power, deviation level). It includes fold back protection, Mono/Stereo audio (MPX) input, 3 SCA inputs and

telemetry output. User can adjust output Power from 0 to 250W. The EM 250 COMPACT can be supplied with an internal digital stereo generator board (60dB separation).

technical features
 operating frequency range 87.5 ~ 108.0MHz
 modulation FM CLASS F3E, F8E (± 75KHz maximum deviation)
 VCO tuning 25MHz
 frequency stability ± 2.0ppm
 frequency tuning step 10KHz
 RF power output 0 ~ 250Wrms adjustable
 spurious < - 80dBc
 harmonics < - 70dBc
 STEREO CHANNEL SEPARATION > 55dB / 1KHz
 T.H.D. distortion < 0.1 % / 1KHz (0.08% typical)
 BaseBAND FREQUENCY RESPONSE 0.15dB from 30Hz to 60KHz
 unweighted S/N ratio > 78dB from 30Hz to 15KHz (Mono input, Pre-emphasis of 50µs)
 asynchronous AM S/N ratio > 65dB Ref. 100 % AM / 400Hz
 synchronous AM S/N ratio > 60dB with FM / 75KHz. / 400Hz
 Pre-EMphasis 50 or 75µs internally selectable
 RF output impedance 50Ω asymmetrical. N Female Connector
 MPX input connector (main program) BNC Female
 stereo input impedance (main program) High-Z 2KΩ
 SCA input connectors BNC Female
 SCA input impedance High-Z 2KΩ
 Remote control interface Serial RS232
 cooling Air forced (Axial blower)
 operating temperature range - 10 ~ + 45°C
 maximum relative humidity 90% (without condensation)
 AC power supply 110 ~ 240VAC, 47/63Hz
 Dimensions 3RU (19" rack), 410mm depth
 weight 10Kg (22.05lbs)

Erickson Broadcast Sales Corporation
USA Call 888-830-8223 or 541-460-0249