

FORMULA MIXERS



**FORMULA
122E/182E**

**FORMULA
248/328**

Model	FORMULA 248 -328	FORMULA 182 E	FORMULA 122 E
Freq. response (20Hz-20KHz) mic input (+ 40 dB gain) on main output line input (0 dB gain) on main output	-1 / -0.5 dB -1 / -0.5 dB	-1 / -0.5 dB -1 / -0.5 dB	-1 / -0.5 dB -1 / -0.5 dB
Distortion (1KHz, 16 dBu main out) THD + Noise (mic + 40 dB gain) THD + Noise (line 0 dB gain)	0.0045% 0.0042%	0.0045% 0.0042%	0.0045% 0.0042%
CMRR (1KHz) micro (+ 40 dB gain) micro con PAD (0 dB gain)	better 80 dB better 48 dB	better 80 dB better 48 dB	better 80 dB better 48 dB
Crosstalk (1KHz) adjacent channel mute shutoff (fader 0 dB mark) fader shutoff (shutoff)	- 90 dB - 94 dB - 92 dB	- 90 dB - 94 dB - 92 dB	- 90 dB - 94 dB - 92 dB
Noise (22Hz-22KHz Bandwidth) EIN (150 Ohm source, + 60dB gain) residual output noise (main out, all levels off) main mix noise (all channel routed mix, fader 0dB mark, muted)	- 129 dB - 96 dBu - 86 dBu	- 129 dB - 96 dBu - 86 dBu	- 129 dB - 96 dBu - 86 dBu
Equalization (mono channel, +/- 15dB gain) High Shelving 12KHz High Mid Mid Low Mid Low	Shelving 12KHz 400-12KHz, Q max 2.5 - 35-1KHz, Q max 2.5 Shelving 80Hz	Shelving 12KHz - 100-8KHz, Q= 1.41 - Shelving 80Hz	- - 100-8KHz, Q= 1.41 - Shelving 80Hz
Equalization (stereo channel, +/- 15dB gain) High High Mid Mid Low Mid Low	Shelving 12KHz 2.5KHz, Q = 1.41 - 250Hz, Q = 1.41 Shelving 80Hz	Shelving 12KHz - peak 2.5KHz - Shelving 80Hz	Shelving 12KHz - peak 2.5KHz - Shelving 80Hz
Max Input Levels micro micro with PAD tape line, stereo	+ 14dBu + 34 dBu + 18dBu + 18dBu	+ 14dBu - + 18dBu + 18dBu	+ 14dBu - + 18dBu + 18dBu
Rated outputs (all output)	+ 4dBu	+ 4dBu	+ 4dBu
Max output	+ 24dBu	+ 24dBu	+ 24dBu
Input impedance micro line stereo insert in	1.5KOhm bal 20KOhm bal 10KOhm bal min 4KOhm	1.5KOhm bal 20KOhm bal 10KOhm bal min 4KOhm	1.5KOhm bal 20KOhm bal 10KOhm bal min 4KOhm
Output impedance main, aux, group direct out insert out headphones	6000hm 6000hm 6000hm min 32+32 Ohm	6000hm 6000hm 6000hm min 32+32 Ohm	6000hm 6000hm 6000hm min 32+32 Ohm
Digital Effects Processor frequency response (20-20KHz) number of effects	no	Yes - 3dB 256	Yes - 3dB 256
Power Supply	85-260 Vac 50/60Hz	85-260 Vac 50/60Hz	85-260 Vac 50/60Hz
Net Dimensions (WxHxD) mm/inch	Formula 248 1066x165x570/41.96x6.49x22.44 Formula 328 1274x165x570/50.15x6.49x22.44	804x124x410/31.65x4.81x16.14	596x124x410/23.46x4.81x16.14
Net Weight Kg/Lb	Formula 248 18/39.68 Formula 328 25/55.11	14/30.86	9/19.84