

Specification of P-81/P-82/P-83/P-84

Mode	Lowpass (MF, PL), Highpass and THRU
No. of amplifier and filter units	Maximum of 4 channels
Cutoff frequency setting	1, 2.....15, 16 (16 points), plus multipliers
Input method	CASCADE (The output of left-side unit is connected.), FLOAT, GND (single-ended input)
Input impedance	100k ohm // 40pF
CMRR	60dB or greater (DC to 1kHz)
Output voltage	±10V
Phase matching between the same type units	P-81 : ±1° typ., P-82 : ±1.2° typ., P-83 : ±1° typ., P-84 : ±2.2° typ. (LP, DC to 2fc, purchased together)

Specification of P-85

Model Cutting frequency range	0.1 to 119.9kHz
P-81Rolloff	48dB/oct
P-82Modes	Lowpass (ML, PL), Highpass and THRU
P-83Cutting frequency setting	0.1, 0.2, 0.3, ...119.9 (1199 points) plus multipliers
P-84Input method	CASCADE (The output of left-side unit is connected.), FLOAT, GND (single-ended input)
Input impedance	100k ohm // 40pF
CMRR	60dB or greater (DC to 1kHz)
Output voltage	±10V
Phase matching between the same type units	±5.5°typ. (LP, DC to fc, purchased together)

Specification of P-86/P-87

Cutting frequency range	P-86 : 1Hz to 119kHz, P-87 : 1Hz to 20kHz
Roll off	Equivalent to 135dB/oct (8-pole Elliptic)
Modes	P-86 : Lowpass, P-87 : Highpass
Cutting frequency setting	1, 2, 3,...119 (119 points) plus multipliers
Input method	CASCADE (The output of left-side unit is connected.), FLOAT, GND (single-ended input)
Input impedance	100k ohm // 40pF
CMRR	60dB or greater (DC to 1kHz)

Output voltage	±10V
Phase matching between the same type units	±5.5°typ. (LP, DC to fc, purchased together)

Specification of P-61

Input type	Balanced differential input
Input impedance	100M ohm
Gain	1 to 1000, 1-2-5 steps
Gain accuracy	±0.2% at 400Hz (no load, 25°C)
Non-linearity	±0.02% or better (DC, no load)
CMRR	120dB or greater (at DC to 120Hz)
DC offset	±2μV / °C (input-referred value)
Frequency response	±0.1dB (at DC to 10kHz) +0.5 to -3dB (at DC to 100kHz)

Specification of P-62A/P-64A

Model	P-62A	P-64A
Isolation voltage	±1000V DC continuous, ±1500Vrms (1 minute, 48 to 62Hz)	±1000V DC continuous, ±2000Vrms (1 minute, 48 to 62Hz)
IMRR	150dB or more (DC to 60Hz)	
Gain	0.1 to 1000, 1-2-5 sequence	
Input type	Single-ended	
Input impedance	1M ohm // 50pF	1M ohm // 60pF
Frequency response	DC to 100kHz (-3dB)	DC to 1MHz (+1dB, -3dB)
Filter	---	Lowpass : 100kHz, 1kHz, 10kHz Highpass : 10kHz, 1kHz, 100kHz
Output voltage	±10V	±10V

Specification of P-42A

GPIO function	SH1, AH1, T6, L4, SR1, RL2, PP0, DC1, DT1, C0
Other function	Multiplexer output, Status monitor

* This unit is not usable with the MS-521.