

Company Catalogue

2025 H1



**** New Product Launch ****

M Series (High Precision Delta-Sigma ADC)

Part No.	Resolution	Supply Voltage	Sampling Rate	Input Type	Interface	PGA	Special Functions	Package	Available
New PMD040	24-bit	3.0~5.5V	10 SPS	Differential	SPI	1x~128x	Reference voltage output	SOP8	Now

B Series (Battery Charger + MCU)

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	Special Functions	Package	Available
New PMB180(B)	1	--	7	1.25KW	64	--	8bit x 1 11bit x 3	Comparator x 1 CHG cur:500mA	ESOP8, EY10	Now
New PMB182(B)	1	--	17	1.25KW	80	--	8bit x 1 11bit x 3	Comparator x 1 CHG cur:500mA	ESOP8, EM10,EY10 ES16,QFN20	Now
New PMB183(B)	1	12bit x 11ch	13	2KW	128	--	8bit x 1 11bit x 3	Comparator x 1 CHG cur:500mA	ESOP8, EM10,EY10 ES16,QFN16	Now

I/O Type - OTP & SIP Series

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	Special Functions	Package	Available
Economical PMS152G	1	--	14	1.25KW	80	--	8bit x 1 11bit x 3	Comparator x 1	SOT23-6, SOP8/14/16 M10/QFN16	Now
Economical PMS154G	1	--	14	2KW	128	4	8bit x 2 11bit x 3	Comparator x 1	SOT23-6, SOP8/14/16 M10/QFN16	Now
New YMS1524B	1	--	11	1.15KW	80	--	8bit x 1 11bit x 3	EEPROM Comparator x 1	SOP8/14	Now

A/D Type - OTP & MTP Series

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	Special Functions	Package	Available
Economical PMS134G	1	12bit x 14ch	22	4KW	256	4	8bit x 2 11bit x 3	8x8 multiplier Comparator x 1	SOP16, H20 Y24	Now
New PMS120	1	12bit x 12ch	14	2KW	128	5	8bit x 2	Comparator x 1	SOP8/14/16 QFN16	Now
New PFS123B	1	12bit x 14ch	18	3KW	256	5	8bit x 2 11bit x 3	Comparator x 1	SOP8/14/16 H20/Y24/QFN20	Now
New PFS122B	1	12bit x 12ch	14	2KW	128	5	8bit x 2	Comparator x 1	SOT23-6, SOP8/14/16 EY10/M10/QFN16	Now

BLDC Series

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	Special Functions	Package	Available
New MF323	1	12bit x 14ch	18	3KW	256	5	8bit x 2 11bit x 3	Comparator x 1	SOP16/H20/Y24 QFN20	Now

** I/O Type MCU **

OTP Series

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	Special Functions	Package	Available
PMS150G	1	--	6	1.KW	64	--	8bit x 1	Comparator x 1	SOT23-6, SOP8	Now
PMS150C	1	--	6	1.KW	64	--	8bit x 1	Comparator x 1	SOT23-6, SOP8	Now
PMS152	1	--	14	1.25KW	80	--	8bit x 1 11bit x 3	Comparator x 1	SOT23-6, SOP8/14/16 M10/QFN16	Now
PMS152E	1	--	6	1.5KW	96	--	8bit x 2 11bit x 3	Comparator x 1	SOT23-6, SOP8	Now
PMS152G	1	--	14	1.25KW	80	--	8bit x 1 11bit x 3	Comparator x 1	SOT23-6, SOP8/14/16 M10/QFN16	Now
PMS154C	1	--	14	2KW	128	4	8bit x 2 11bit x 3	Comparator x 1	SOT23-6, SOP8/14/16 M10/QFN16	Now
PMS154G	1	--	14	2KW	128	4	8bit x 2 11bit x 3	Comparator x 1	SOT23-6, SOP8/14/16 M10/QFN16	Now
PML100B	1	--	6	1KW	64	--	8bit x 2 11bit x 3	Comparator x 1	SOP8	Now

MTP Series + EEP

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	EEPROM (byte)	Package	Available
PGS152	1	--	8	1.5KW	128	--	8bit x 1 11bit x 3	125	SOT23-6, SOP8 M10, EY10	Now

MTP Series

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	Special Functions	Package	Available
PFS154	1	--	14	2KW	128	4	8bit x 2 11bit x 3	Comparator x 1	SOT23-6, M10 SOP8/14/16	Now
PFC151	1	--	8	2KW	128	--	8bit x 2	Comparator x 1	SOP8/M10	Now
PFC154	1	--	14	2KW	128	--	8bit x 2 11bit x 3	Comparator x 1	SOT23-6, SOP8/14/16	Now

**** I/O Type MCU ****

SIP Series

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	Special Functions	Package	Available
YMS1524	1	--	11	1.15KW	80	--	8bit x 1 11bit x 3	EEPROM Comparator x 1	SOP8/14	Now
YFS1544	1	--	12	1.9KW	128	4	8bit x 2 11bit x 3	EEPROM Comparator x 1	SOP8/16	Now

**** A/D Type MCU ****

OTP Series

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	Special Functions	Package	Available
PMS171B	1	8bit x 12ch	14	1.5KW	96	--	8bit x 2	Comparator x 1	SOT23-6, SOP8/14/16 M10/QFN16	Now
PMS134G	1	12bit x 14ch	22	4KW	256	4	8bit x 2 11bit x 3	8x8 multiplier Comparator x 1	SOP16, H20 Y24	Now
PMS134	1	12bit x 14ch	22	4KW	256	4	8bit x 2 11bit x 3	8x8 multiplier Comparator x 1	SOP8/14/16, H20 SOP/Y24	Now
PMS132B	1	12bit x 12ch	14	2KW	128	--	8bit x 2 11bit x 3	8x8 multiplier Comparator x 1	SOT23-6, SOP8/14/16 M10/QFN16	Now
PMS120	1	12bit x 12ch	14	2KW	128	5	8bit x 2	Comparator x 1	SOP8/14/16 QFN16	Now
PMS121	1	12bit x 11ch	14	1.5KW	96	--	8bit x 2	Comparator x 1	SOT23-6, SOP8/14/16 M10/QFN16	Now
PMS122	1	12bit x 12ch	14	2KW	256	5	8bit x 2 11bit x 3	Comparator x 1	SOP8/14/16	Now
PMS123	1	12bit x 14ch	18	3KW	256	5	8bit x 2 11bit x 3	Comparator x 1	SOP8/14/16 H20/Y24	Now

MTP Series + EEP

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	EEPROM (byte)	Package	Available
PGS134	1	12bit x 14ch	22	4KW	256	4	8bit x 2 11bit x 3	512	SOP8/14/16, H20 SOP/Y24, QFN24	Now

MTP Series

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	Special Functions	Package	Available
PFS122B	1	12bit x 12ch	14	2KW	128	5	8bit x 2	Comparator x 1	SOT23-6, SOP8/14/16 EY10/M10/QFN16	Now
PFS122	1	12bit x 12ch	14	2KW	128	--	8bit x 2	Comparator x 1	SOT23-6, SOP8/14/16 M10/QFN16	Now
PFS123B	1	12bit x 14ch	18	3KW	256	5	8bit x 2 11bit x 3	Comparator x 1	SOP8/14/16 H20/Y24/QFN20	Now
PFS123	1	12bit x 14ch	18	3KW	256	5	8bit x 2 11bit x 3	Comparator x 1	SOP8/14/16 H20/Y24/QFN16	Now
PFS132	1	12bit x 12ch	14	2KW	128	5	8bit x 2 11bit x 3	8x8 multiplier Comparator x 1	SOT23-6, SOP8/14/16 M10/QFN16	Now
PFC232	2	12bit x 12ch	14	2KW	128	5	8bit x 2 11bit x 3	Comparator x 1 OPA x 1	SOP8/14/16, M10	Now

**** A/D Type MCU ****

SIP Series

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	Special Functions	Package	Available
YMS1324	1	12bit x 12ch	11	1.9KW	128	--	8bit x 2 11bit x 3	EEPROM Comparator x 1	SOP8/14	Now
YFS1224	1	12bit x 12ch	11	1.9KW	128	5	8bit x 2	EEPROM Comparator x 1	SOP8/14	Now

**** Touch Type MCU****

OTP Series

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	Special Functions	Touch Channel	Package	Available
PMS160	1	--	6	1.5KW	96	--	8bit x 2 11bit x 3	Comparator x 1	6	SOT23-6, SOP8	Now
PMS161	1	--	6	1.5KW	96	--	--	Comparator x 1	5	SOT23-6, SOP8	Now
PMS164	1	--	14	1.75KW	128	--	8bit x 2	Comparator x 1	12	SOP16	Now
PMS163	1	12bit x 12ch	14	2.5KW	160	--	8bit x 2 11bit x 3	8x8 multiplier Comparator x 1	13	SOT23-6, M10 SOP8/14/16	Now

MTP Series

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	Special Functions	Touch Channel	Package	Available
PFC161	1	--	8	2KW	128	--	8bit x 2	Comparator x 1	7	SOT23-6 SOP8/EY10	Now
PFC460	4	12bit x 28ch	26	4KW	512	--	8bit x 2 11bit x 3	Comparator x 1	24	SOP16/20/24/28 TSSOP28	Now

**** Charger MCU ****

OTP Series

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	Special Functions	Package	Available
PMB180(B)	1	--	7	1.25KW	64	--	8bit x 1 11bit x 3	Comparator x 1 CHG cur:500mA	ESOP8, EY10	Now
PMB182(B)	1	--	17	1.25KW	80	--	8bit x 1 11bit x 3	Comparator x 1 CHG cur:500mA	ESOP8, EM10,EY10 ES16,QFN20	Now
PMB183(B)	1	12bit x 11ch	13	2KW	128	--	8bit x 1 11bit x 3	Comparator x 1 CHG cur:500mA	ESOP8, EM10,EY10 ES16,QFN16	Now

SIP Series

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	Special Functions	Package	Available
YMB1801(B)	1	--	5	1.25KW	64	--	8bit x 1 11bit x 3	NMOS: 1A Comparator x 1	ESOP8/EY10	Now
YMB1805(B)	1	--	4	1.25KW	64	--	8bit x 1 11bit x 3	H-bridge driver Comparator x 1	ESOP8	Now

**** High Precision Delta-Sigma**

High Precision ADC

Part No.	Resolution	Supply Voltage	Sampling Rate	Input Type	Interface	PGA	Special Functions	Package	Available
PMD040	24-bit	3.0~5.5V	10 SPS	Differential	SPI	1x~128x	Reference voltage output	SOP8	Now

**** Hall Sensor ****

Hall Switch

Part No.	Supply Voltage	Pole	BOPS (Gauss)	BOPN (Gauss)	BRPS (Gauss)	BRPN (Gauss)	BHYS (Gauss)	Supply Current	Package	Available
PHS327S	2.7~5.5V	South	Typ:30 Max:50	Min:-50 Typ:-30	Min:10 Typ:20	Typ:-20 Max:-10	Typ:10	Awake:1.4mA Sleep:0.85uA	SOT23-3	Now
PHS327N	2.7~5.5V	North	Typ:30 Max:50	Min:-50 Typ:-30	Min:10 Typ:20	Typ:-20 Max:-10	Typ:10	Awake:1.4mA Sleep:0.85uA	SOT23-3	Now
PHS329NS	2.7~5.5V	South North	Typ:30 Max:50	Min:-50 Typ:-30	Min:10 Typ:20	Typ:-20 Max:-10	Typ:10	Awake:1.4mA Sleep:0.85uA	SOT23-3	Now

**** BLDC ****

DC Fan Series

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	Special Function	Package	Available
MF610	8	11bit x 4ch	8	4KW	512	--	11bit x 3	--	M10	Now
MF616	8	11bit x 4ch	14	4KW	512	--	11bit x 3	--	SSOP16	Now
MF617	8	11bit x 4ch	14	5KW	512	--	11bit x 3	--	QFN16	Now

BLDC Series

Part No.	FPPA	ADC (max)	IO (max)	ROM (word)	RAM (byte)	LCD (1/2VDD)	PWM	Special Function	Package	Available
MF323	1	12bit x 14ch	18	3KW	256	5	8bit x 2 11bit x 3	CMP x 1	SOP16/H20/Y24 QFN20	Now
PFC886	8	11bit x 11ch	14	4KW	512	--	11bit x 3	--	SOP16	Now
PFC887	8	11bit x 16ch	26	5KW	512	--	11bit x 3	--	SSOP24/TSSOP28 QFN32	Now