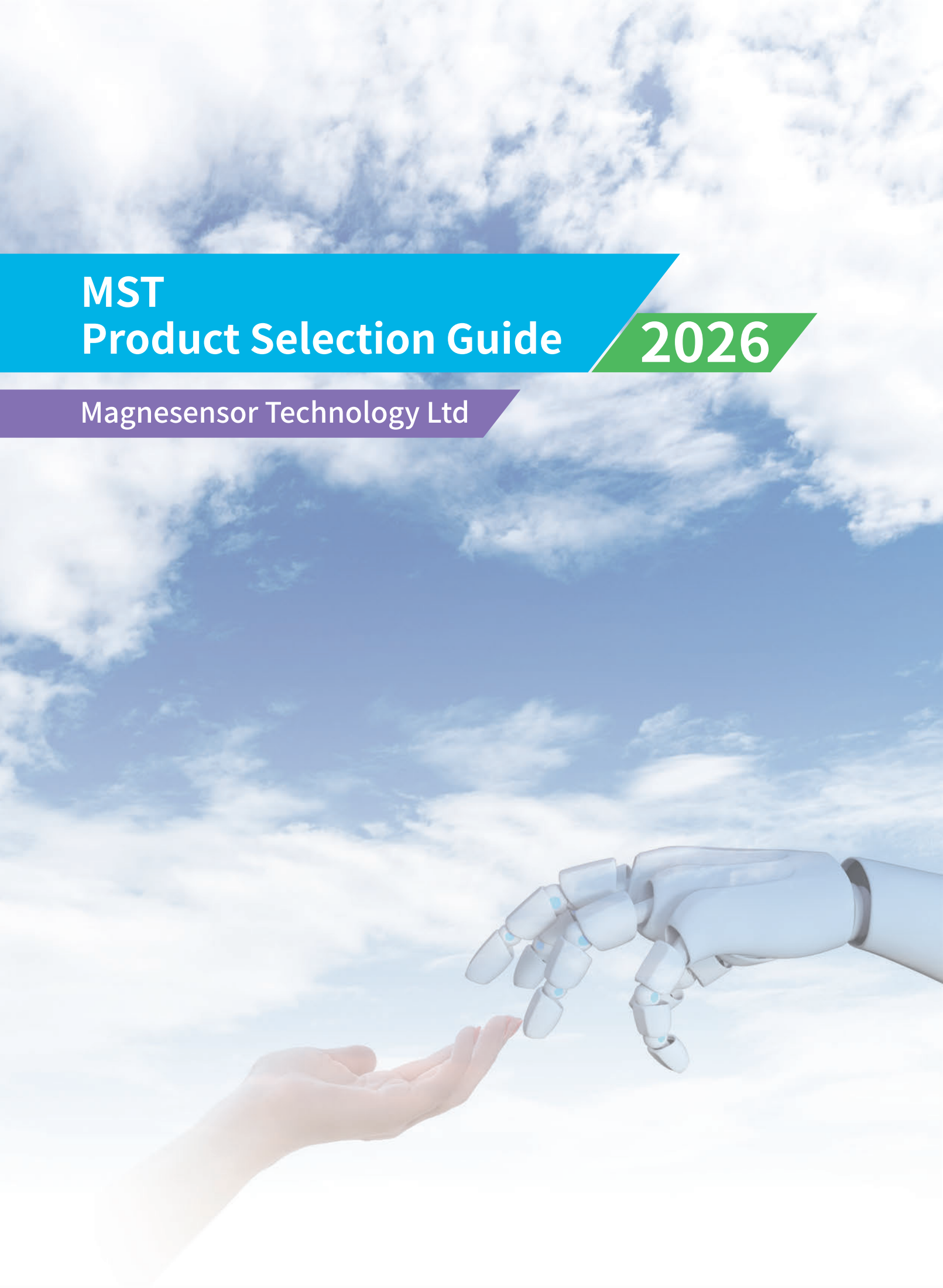
MST
Product Selection Guide 2026

Magnesensor Technology Ltd



MST
Magnesensor Technology

Product Selection Guide

www.magnesensor.com

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Foundation

MST is a fabless semiconductor technology corporation offering the design and manufacture of integrated circuit Hall Effect sensors. Our company was established in 2003 in the State of New Hampshire, USA.

We supply the most advanced technology, the highest standard quality, and the most competitive price available. We also support our customer's technology requirements with a most advanced and active design and manufacturing team.

Spirit

The name, Magnesensor Technology, represents our rich experience, pragmatic spirit and involvement in the semiconductor industry. We have individuals that have worked with Hall technology for more than 30 years thus making MST one of the most experienced staffed Hall Effect sensor companies in existence. Our company has manufacturing plants and distribution in four areas of the world with product distributors located globally. Our sensors are distributed to all market segments around the world through our powerful global distribution channels.

Our missions

- Provide recognizable value to our customers
- Provide the most reliable and advanced technology products
- Provide products that increase sales and profits of our customers
- Provide our customers with an endless supply of innovative products
- Maintain a positive environment for our partners and customers
- Maintain a "Green" manufacturing environment world wide

*Temperature:E(-20°C~+85°C) ;1(-40°C~+105°C) ; K (-40°C~+125°C) ;L(-40°C~+150°C)

*Package: SO(SOT23-3L);SN(SOT553-5L):SP(PSot23-3L);SQ(QFN 2020-3L);SF(SOT89-5L);
SM(DFN1616-6L);UA(TO92S-3L);VK(TO94-4L);VL(TO94-3L);
SS(DFN1010-4L);SR(SOT23-6L);SD(QFN2020-6L);
SL(SOT23-3LStraight Lead) ;VS(SOP8 Straight Lead);

*OD:Open Drain output	*OC:Open Collector output	*TP:Totem Pole output	*TSD:Thermal Shut-Down
*OCP:Over Current Protection	*SW:Soft Switching	*AR:Auto Restart	*FG:Frequency Generation
*RD:Revolution Detection	*PWM:Pulse Width Modulation		

Latch

Low Operating Voltage Latch(1.8V/3V/5V)

Part Number	Package	Voltage range	Temperature	Bop/ Brp(Typ/Gauss)	Supply Current (Typ)	OD	OC	PU	TSD	MP	RP	Note
MH176	UA/SO/SD/SM	1.8V~6.0V	E/K	+/- 25	5mA	V						Low Operating Voltage Hall Effect Latch
MH178	UA/SO	2.0V~5.5V	E/K	+/- 30	9uA	V				V		Micropower Hall Effect Latch
MH179	UA/SO	2.0V~5.5V	E/K	+/- 30	0.6mA	V				V		Micropower Hall Effect Latch(2K Hz)

High Operating Voltage Latch(5V/12V/24V)

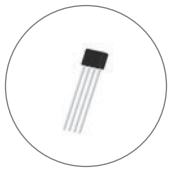
MH163	SO	3.5V~24V	E/K	+/- 30	3.5mA	V			V		V	General Purpose Hall Effect Latch(S->low)
MH173	SO	2.5V~26V	E/K	+/- 30	3mA			V			V	Built-in Pull High Res Hall Effect Latch(S->Low)
MH180	UA/SO	2.5V~26V	E/K	+/- 50	2.4mA	V					V	General Purpose Hall Effect Latch
MH181	UA/SO	3.5V~20V	E/K	+/- 50	4mA		V				V	General-Purpose Hall Effect Latch
MH182	UA/SO	3.0V~24V	E/K	+/- 40	2mA	V						Multi-Purpose Hall Effect Latch
MH183	UA/SO	2.5V~26V	E/K	+/- 150	1.8mA	V					V	Ultra Low Sensitivity Hall Effect Latch
MH185	SO	2.5V~26V	E/K	+/- 30	3mA	V					V	High Sensitivity Hall Effect Latch(S->Low)
MH186	UA/SO	3.0V~26V	E/K	+/- 30	3mA	V					V	High Sensitivity Hall Effect Latch
MH188	UA/SO/SD/SM/SA	2.5V~26V	E/K	+/- 15	2mA	V					V	Ultra High Sensitivity Hall Effect Latch
MH189	UA/SO	3.0V~26V	E/K	+/- 15	2mA	V						Ultra High Sensitivity Hall Effect Latch(AECQ)
MH190	UA/SO	4.0V~30V	E/K	+/- 60	3mA		V				V	High Voltage, Bipolar Process, Hall Effect Latch
MH193	UA/SO	2.5V~26V	E/K	+/- 15	2mA			V			V	Built-in Pull High Res Hall Effect Latch
MH41F	UA	3.3V-30V	K	+/- 50	3mA		V					High ESD Level Hall Effect Latch

Direction

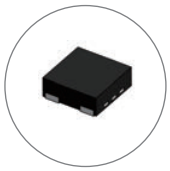
Part Number	Package	Voltage range	Temperature	Bop/ Brp(Typ/Gauss)	Supply Current (Typ)	OD	OC	PU	TSD	MP	RP	Note
MH452	VK/SD	2.5V-26V	E/K	+/- 15	2mA	V					V	Dual Hall Speed and Direction Sensors

Sot23-3L(SO)
2.9*1.6*1.1(mm)

To92s-3L(UA)
4.0*3.0*1.52(mm)



To94-4L(VK)
5.22*3.65*1.56(mm)



QFN2.0*2.0-6L(SD)
2.0*2.0*0.6(mm)

DFN1.6*1.6-6L(SM)
1.6*1.6*0.4(mm)

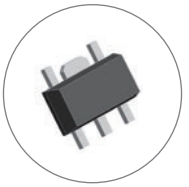
Fan Driver

One coil fan driver

Part Number	Package	Voltage range	Temperature	Bop/Brp(Typ/Gauss)	Driving Current (Typ)	TP	SW	AR	FG	RD	PWM	TSD	RP	Note
MH361	VK	3.5V ~ 20V	E/K	+/- 30	400mA	V		V	V	V		V		Single Phase Fan Motor Driver with Auto-restart
MH3610	VS	3.5V ~ 16V	K	+/- 25	550mA	V	V	V	V		V	V	V	12V Low Noise Single Coil Motor Driver with PWM
MH3611	VS	3.5V ~ 16V	K	+/- 25	700mA	V	V	V	V		V	V	V	12V Low Noise Single Coil Motor Driver with PWM
MH365	SR/SD/SM	1.8V ~ 5.5V	E/K	+/- 20	500mA	V	V	V	V	V	V	V	V	Single Phase Fan Motor Driver with Auto-restart

Two coil fan driver

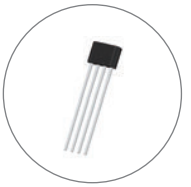
Part Number	Package	Voltage range	Temperature	Bop/Brp(Typ/Gauss)	Driving Current (Typ)	TP	SW	AR	FG	RD	PWM	TSD	RP	Note
MH276	VK	3.5V ~ 16V	E	+/- 40	350mA							V	V	Complementary Output Hall Effect Latch
MH277	VK	3.5V ~ 16V	E	+/- 40	400mA								V	Complementary Output Hall Effect Latch
MH284	VK	2.5V ~ 20V	E/K	+/- 20	600mA			V				V	V	Hall-Effect Smart Fan Motor Controller
MH381	VK/SF	2.5V ~ 20V	E/K	+/- 30	600mA			V	V	V		V	V	High peak current CMOS 3-Wire Fan Driver
MH382	VK/SF	4.5V ~ 30V	E/K	+/- 30	300mA			V	V	V		V	V	24V CMOS 3-Wire Fan Driver



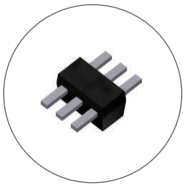
SOT89-5L(SF)
4.5*2.5*1.5(mm)

QFN2020-6L(SD)
2.0*2.0*0.6(mm)

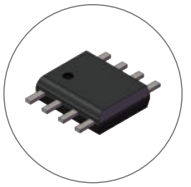
DFN1.6*1.6-6L(SM)
1.6*1.6*0.4(mm)



TO94-4L(VK)
5.22*3.65*1.56(mm)



SOT23-6L(SR)
3.0*1.6*1.1(mm)



SOP8(VS)
3.9*4.9*1.4(mm)

Linear Hall Effect

Programming Linear

Part Number	Package	Voltage range	Temperature	Sensitivity (Range)	Supply Current (Typ)	TP	Note
MH485	VL	4.5V~5.5V	K	0.9~25mV/G	13mA	V	High Speed Programming Linear Hall IC
MH486	VK	4.5V~5.5V	K	0.9~25mV/G	13mA	V	High Speed Programming Linear Hall IC +Vref

Programming linear AECQ-100

Part Number	Package	Voltage range	Temperature	Sensitivity (Range)	Supply Current (Typ)	TP	Note
MH489	VL	4.5V~5.5V	K	0.9~25mV/G	13mA	V	AECQ-100 Automotive
MH490	VK	4.5V~5.5V	K	0.9~25mV/G	13mA	V	AECQ-100 Automotive

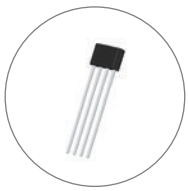
Ratio-Metric Linear

Part Number	Package	Voltage range	Temperature	Sensitivity (Typ)	Supply Current (Typ)	Sorting	TP	Note
MH481	UA/SO/SQ/SR	3.0V~ 6.5V	I	1.8~2.1mV/G	2.5mA		V	Ratio-metric Linear Hall Effect IC
MH4802	SO/SP	3.0V~10V	E	1.7~2.3mV/G	2.3mA		V	Ratio-metric unipolar linear hall sensor
MH4803	SO/SP	2.7V~8.0V	E	2.6~3.1mV/G	1.15mA		V	Ratio-metric unipolar linear hall sensor
MH4804	SO/SP/SR	2.7V~8.0V	E	3.5mV/G	1.15mA		V	Rail to Rail Ratio-metric unipolar linear hall sensor
MH491	UA/SO	2.8V~ 6.0V	I	1.5mV/G 2mV/G 2.5mV/G 3mV/G	3.3mA	A B C D	V V V V	CMOS Ratio-Metric Linear Hall Effect IC
MH493	UA/SO	2.8V~ 6.0V	I	4mV/G 7mV/G 10mV/G 13mV/G	3.3mA	A B C D	V V V V	CMOS Ratio-Metric Linear Hall Effect IC
MH49A3	SD/SM	2.8V~ 6.0V	E/K	4mV/G,7mV/G 10mV/G,13mV/G	3.3mA		V	Multi-Sensitivity Ratio-Metric Linear Hall Sensor

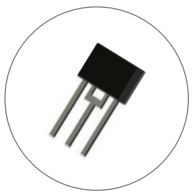
Linear Hall Effect

MH50XX

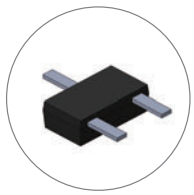
Part Number	Package	Voltage range	Temperature	Sensitivity (Typ)	Supply Current (Typ)	TP	Note
MH501P	SO/UA/SM	1.7V~5.5V	K	1.5mV/G	1.3mA	V	Sensitivity Optional Linear Hall
MH5002	SO/UA/SM	1.7V~5.5V	K	2.0mV/G	1.3mA	V	Sensitivity Optional Linear Hall
MH5003	SO/UA/SM	1.7V~5.5V	K	3.0mV/G	1.3mA	V	Sensitivity Optional Linear Hall
MH5004	SO/UA/SM	1.7V~5.5V	K	4.0mV/G	1.3mA	V	Sensitivity Optional Linear Hall
MH5007	SO/UA/SM	1.7V~5.5V	K	7.0mV/G	1.3mA	V	Sensitivity Optional Linear Hall
MH5013	SO/UA/SM	1.7V~5.5V	K	13.0mV/G	1.3mA	V	Sensitivity Optional Linear Hall



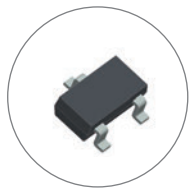
To94-4L(VK)
5.22*3.65*1.56(mm)



TO94-3L(VL)
5.22*3.65*1.56(mm)



Sot23-3L(SL)
4.1*1.6*1.1(mm)



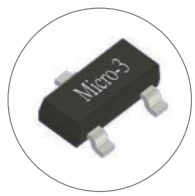
Sot23-3L(SO)
2.9*1.6*1.1(mm)

QFN2.0*2.0-6L(SD)
2.0*2.0*0.6(mm)

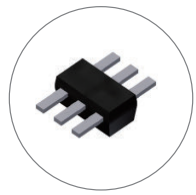
QFN2.0*2.0-3L(SQ)
2.0*2.0*0.55(mm)

To92s-3L(UA)
4.0*3.0*1.52(mm)

DFN1.6*1.6-6L(SM)
1.6*1.6*0.4(mm)



PSot23-3L(SP)
2.92*1.3*1.0(mm)



Sot23-6L(SR)
3.0*1.6*1.1(mm)

Omni-polar Switch

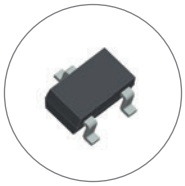
Low Operating Voltage Omni-polar Switch(1.8V/3V/5V)

Part Number	Package	Voltage range	Temperature	BopS/N(Typ/Gauss)	BH(Typ/Gauss)	Supply Current (Typ)	OD	TP	HZ	MP(μA)	Note
MH231	UA/SO/SP/SA	1.65V-5.5V	E	+/- 30	10	1uA		v	20	v	Nanopower CMOS Output Hall Effect Switch
MH232	SS	1.65V-5.5V	E	+/-28	10	1.2uA	v		20	v	Dual Output Micropower Hall Switch
MH233	UA/SO	1.65V-5.5V	E/K	+/-30	10	2mA		v	3K	v	High Sensitivity Omni-Polar Hall Effect Switch
MH234	UA/SO	1.65V~5.5V	E	+/- 30	10	3.7uA		v	200	v	200Hz MicroPower CMOS Output Hall Switch
MH235	UA/SO/SP/SA	1.65V~5.5V	E	+/- 30	10	1uA		v	20	v	Nanopower CMOS Output Hall Effect Switch
MH236	UA/SS/SP	1.65V-5.5V	E	+/- 25	10	1uA		v	20	v	High Sensitivity Micropower Hall Switch
MH238	UA/SO	1.65V~5.5V	E	+/- 20	10	1uA	V		20	v	Nanopower CMOS Output Hall Effect Switch
MH239	UA/SO/SP/SA	1.65V-5.5V	E	+/- 50	10	1uA		v	20	v	Nanopower CMOS Output Hall Effect Switch

Omni-polar Switch

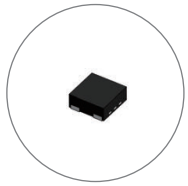
High Operating Voltage Omni-polar Switch(5V/12V/24V)

Part Number	Package	Voltage range	Temperature	BopS/N(Typ/Gauss)	BH(Typ/Gauss)	Supply Current (Typ)	OD	TP	PU	Note
MH271	UA/SO	2.5V~26V	E/K	+/- 80	20	2.5mA	V			High Voltage Omni-polar Hall Effect Switch
MH272	UA/SO	2.5V~26V	E/K	+/- 30	10	2.5mA	V			High Voltage Omni-polar Hall Effect Switch
MH273	UA/SO	2.5V~26V	E/K	+/- 80	20	2.5mA			V	High Voltage Pull High Res Omnipolar Hall Switch
MH274	UA/SO	2.5V~26V	E/K	+/- 30	10	2.5mA			V	Pull High Res Omnipolar Hall Effect Switch
MH275	UA/SO	2.5V~26V	E/K	+/- 175	45	2.5mA	V			Low Sensitivity Omni polar Switch
MH278	UA/SO	2.5V~26V	E/K	+/- 175	45	2.5mA			V	Low Sensitive Pull High Res Omnipolar Hall Switch



Sot23-3L(SO)
2.9*1.6*1.1(mm)

Micro Sot23-3L(SP)
2.92*1.3*1.0(mm)



DFN1.0*1.0-4L(SS)
1.0*1.0*0.4(mm)

To92s-3L(UA)
4.0*3.0*1.52(mm)

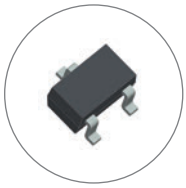
Uni-polar Switch

Low Voltage Uni-polar Switch(1.8V/3V/5V)

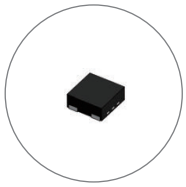
Part Number	Package	Voltage range	Temperature	Bop(Typ/Gauss)	BH(Typ/Gauss)	Supply Current (Typ)	OD	TP	MP (μA)	Note
MH230	UA/SS/SO	1.7V~5.5V	E	-30	10	1uA		V	V	Micropower CMOS Unipolar Hall Effect Switch
MH254	UA/SS/SO	1.7V~5.5V	E	-30	10	5uA		V	V	Micropower CMOS Unipolar Hall Effect Switch

High Voltage Uni-polar Switch(5V/12V/24V)

Part Number	Package	Voltage range	Temperature	Bop(Typ/Gauss)	BH(Typ/Gauss)	Supply Current (Typ)	OD	TP	RP	Note
MH281	UA/SO	3.0V~24V	E/K	175	45	2.5mA	V		V	Low Sensitivity Unipolar Hall Effect Switch
MH282	UA/SO	2.5V~24V	E/K	90	20	2.5mA	V		V	General Sensitivity Unipolar Hall Effect Switch
MH283	UA/SO	3.0V~24V	E/K	120	50	2.5mA	V		V	Low Sensitivity Unipolar Hall Effect Switch
MH285	UA/SO/SL	2.5V~24V	E/K	25	8	2.5mA	V		V	High sensitivity Unipolar Hall Effect Switch

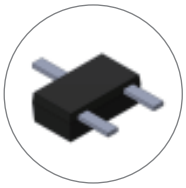


Sot23-3L(SO)
2.9*1.6*1.1(mm)



DFN1010-4L(SS)
1.0*1.0*0.4(mm)

TO92S-3L(UA)
4.0*3.0*1.52(mm)

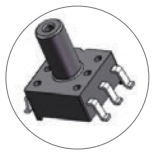


SOt23L-3L(SL)
4.1*1.6*1.1(mm)

Pressure Sensor

M01 Series

Part Number	Signal Output	Working Voltage	Working Temperature	Pressure Type	Pressure Range(Bar)	Package Size
M0100	Digital	1.8~5.5V	-40~85°C	Gauge Pressure	0.01~1.3	Refer to specifications
M0101	Analog	1.8~5.5V	-40~85°C	Absolute Pressure	0~15	Refer to specifications
M0102	Analog	1.8~5.5V	-40~85°C	Gauge Pressure	-0.8~0.48	SOP6
M0105	Analog	1.8~5.5V	-40~85°C	Gauge Pressure	-1~1	SOP6
M0106	Analog	1.8~5.5V	-40~85°C	Gauge Pressure	-1~10	SOP6
M0110	Digital	2.5~5.5V	-40~85°C	Gauge Pressure	-1~1	SOP6
M0111	Digital	1.8~5.5V	-40~85°C	Gauge Pressure	-1~10	SOP6



Pressure Sensor

17 Bit Encoder

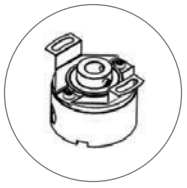
KEM17S-35-D

Operating Type	Resolution	Output Signals	Rated Power	Power-up Time	Consumption Current	Rotation Speed	Output Delay	Output Digital Voltage	DATA MEMORY	Serial Communication	Product Description
Motor Shaft Operating	131,072 positions	Pure Binary	0.1W @ Vdd=5V	20ms max.	50mA typ.	⩽7K Recommended	5 µs	HIGH: VOH⩾4.9V LOW: VLO⩽0.1V	762 bytes	Communication rate 2.5Mbps	17 BIT ABSOLUTE ENCODER, SINGLE-TURN

Absolute Encoder

KEM17M-OT-35mm

Operating Type	Resolution	Output Signals	Rated Power	Power-up Time	Consumption Current	Rotation Speed	Output Delay	Output Digital Voltage	DATA MEMORY	Serial Communication	Product Description
Motor Shaft Operating	16 bit Multi-Turn, 17-bit one turn 131, 072 absolute positions	Pure Binary	0.1W @ Vdd=5V for normal model.	3ms max.	500mA max.	⩽6K Recommended	5 µs	High: VOH⩾4.9V Low: VLO⩽0.1V	762 bytes	Communication rate 2.5Mbps	16 BIT MULTI TURN 17 BIT SINGLE TURN ABSOLUTE ENCODER



KEM17S-35-D

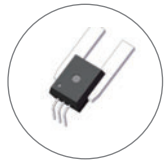
KEM17M-0T-35(mm)

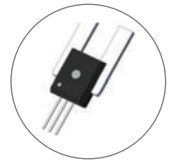
Current Sensor

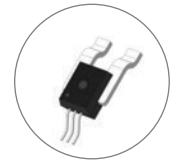
MCT series

Part Number	VCC (V)	VOUT(Q)(V)	IP (A)	Sens Typ. (mV/A)	BW (kHz)	Response(µS)	AECQ	Package type
MCT050BR-3	3.3	Vcc/2	±50	26.4	170	3		PFF,PSF,PSS,SMT
MCT050BF-3	3.3	1.65	±50	26.4	170	3		PFF,PSF,PSS,SMT
MCT050UF-3	3.3	0.5	50	49.4	170	3		PFF,PSF,PSS,SMT
MCT100BR-3	3.3	Vcc/2	±100	13.2	170	3		PFF,PSF,PSS,SMT
MCT100BF-3	3.3	1.65	±100	13.2	170	3		PFF,PSF,PSS,SMT
MCT100UF-3	3.3	0.5	100	24.7	170	3		PFF,PSF,PSS,SMT
MCT150BR-3	3.3	Vcc/2	±150	8.8	170	3		PFF,PSF,PSS,SMT
MCT150BF-3	3.3	1.65	±150	8.8	170	3		PFF,PSF,PSS,SMT
MCT150UF-3	3.3	0.5	150	16.5	170	3		PFF,PSF,PSS,SMT
MCT200BR-3	3.3	Vcc/2	±200	6.6	170	3		PFF,PSF,PSS,SMT
MCT200BF-3	3.3	1.65	±200	6.6	170	3		PFF,PSF,PSS,SMT
MCT200UF-3	3.3	0.5	200	12.4	170	3		PFF,PSF,PSS,SMT
MCT250BR-3	3.3	Vcc/2	±250	5.3	170	3		PFF,PSF,PSS,SMT
MCT250BF-3	3.3	1.65	±250	5.3	170	3		PFF,PSF,PSS,SMT
MCT250UF-3	3.3	0.5	250	9.9	170	3		PFF,PSF,PSS,SMT
MCT050BR	5	Vcc/2	±50	40	170	3		PFF,PSF,PSS,SMT
MCT050BF	5	2.5	±50	40	170	3		PFF,PSF,PSS,SMT
MCT050UR	5	Vcc/10	50	80	170	3		PFF,PSF,PSS,SMT
MCT050UF	5	0.5	50	80	170	3		PFF,PSF,PSS,SMT
MCT100BR	5	Vcc/2	±100	20	170	3		PFF,PSF,PSS,SMT
MCT100BF	5	2.5	±100	20	170	3		PFF,PSF,PSS,SMT
MCT100UR	5	Vcc/10	100	40	170	3		PFF,PSF,PSS,SMT
MCT100UF	5	0.5	100	40	170	3		PFF,PSF,PSS,SMT
MCT150BR	5	Vcc/2	±150	13.33	170	3		PFF,PSF,PSS,SMT
MCT150BF	5	2.5	±150	13.33	170	3		PFF,PSF,PSS,SMT
MCT150UR	5	Vcc/10	150	26.67	170	3		PFF,PSF,PSS,SMT
MCT150UF	5	0.5	150	26.67	170	3		PFF,PSF,PSS,SMT
MCT200BR	5	Vcc/2	±200	10	170	3		PFF,PSF,PSS,SMT
MCT200BF	5	2.5	±200	10	170	3		PFF,PSF,PSS,SMT


Standard PFF


PSF Leadform


PSS Leadform


SMT Leadform

Current Sensor

MCT series

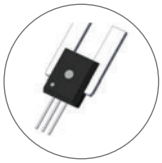
Part Number	VCC (V)	VOUT(Q)(V)	IP (A)	Sens Typ. (mV/A)	BW (kHz)	Response(µS)	AECQ	Package type
MCT200UR	5	Vcc/10	200	20	170	3		PFF,PSF,PSS,SMT
MCT200UF	5	0.5	200	20	170	3		PFF,PSF,PSS,SMT
MCT250BR	5	Vcc/2	±250	8	170	3		PFF,PSF,PSS,SMT
MCT250BF	5	2.5	±250	8	170	3		PFF,PSF,PSS,SMT
MCT250UR	5	Vcc/10	250	16	170	3		PFF,PSF,PSS,SMT
MCT250UF	5	0.5	250	16	170	3		PFF,PSF,PSS,SMT

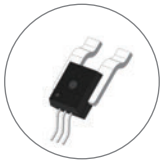
MCA series

Part Number	VCC (V)	VOUT(Q)(V)	IP (A)	Sens Typ. (mV/A)	BW (kHz)	Response(µS)	AECQ	Package type
MCA050BR	5	Vcc/2	±50	40	240	2	V	PFF,PSF,PSS,SMT
MCA050BF	5	2.5	±50	40	240	2	V	PFF,PSF,PSS,SMT
MCA050UR	5	Vcc/10	50	80	240	2	V	PFF,PSF,PSS,SMT
MCA050UF	5	0.5	50	80	240	2	V	PFF,PSF,PSS,SMT
MCA100BR	5	Vcc/2	±100	20	240	2	V	PFF,PSF,PSS,SMT
MCA100BF	5	2.5	±100	20	240	2	V	PFF,PSF,PSS,SMT
MCA100UR	5	Vcc/10	100	40	240	2	V	PFF,PSF,PSS,SMT
MCA100UF	5	0.5	100	40	240	2	V	PFF,PSF,PSS,SMT
MCA150BR	5	Vcc/2	±150	13.33	240	2	V	PFF,PSF,PSS,SMT
MCA150BF	5	2.5	±150	13.33	240	2	V	PFF,PSF,PSS,SMT
MCA150UR	5	Vcc/10	150	26.67	240	2	V	PFF,PSF,PSS,SMT
MCA150UF	5	0.5	150	26.67	240	2	V	PFF,PSF,PSS,SMT
MCA200BR	5	Vcc/2	±200	10	240	2	V	PFF,PSF,PSS,SMT
MCA200BF	5	2.5	±200	10	240	2	V	PFF,PSF,PSS,SMT
MCA200UR	5	Vcc/10	200	20	240	2	V	PFF,PSF,PSS,SMT
MCA200UF	5	0.5	200	20	240	2	V	PFF,PSF,PSS,SMT
MCA250BR	5	Vcc/2	±250	8	240	2	V	PFF,PSF,PSS,SMT
MCA250BF	5	2.5	±250	8	240	2	V	PFF,PSF,PSS,SMT
MCA250UR	5	Vcc/10	250	16	240	2	V	PFF,PSF,PSS,SMT
MCA250UF	5	0.5	250	16	240	2	V	PFF,PSF,PSS,SMT


Standard PFF


PSF Leadform

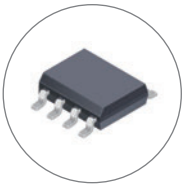

PSS Leadform


SMT Leadform

Current Sensor

MCS108K series

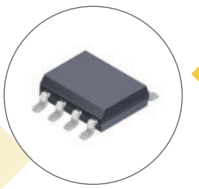
Part Number	VCC (V)	VOUT(Q)(V)	IP (A)	Sens Typ. (mV/A)	BW (kHz)	Response(μS)	AECQ	Package type
MCS108K-010BR	5	Vcc/2	±10	200	600	0.8	V	SOP8
MCS108K-020BR	5	Vcc/2	±20	100	600	0.8	V	SOP8
MCS108K-020UR	5	Vcc/10	20	200	600	0.8	V	SOP8
MCS108K-030BR	5	Vcc/2	±30	66.7	600	0.8	V	SOP8
MCS108K-030UR	5	Vcc/10	30	133.3	600	0.8	V	SOP8
MCS108K-050BR	5	Vcc/2	±50	40	600	0.8	V	SOP8
MCS108K-050UR	5	Vcc/10	50	80	600	0.8	V	SOP8
MCS108K-010BR-3	3.3	Vcc/2	±10	132	600	0.8	V	SOP8
MCS108K-020BR-3	3.3	Vcc/2	±20	66	600	0.8	V	SOP8
MCS108K-020UR-3	3.3	Vcc/10	20	132	600	0.8	V	SOP8
MCS108K-030BR-3	3.3	Vcc/2	±30	44	600	0.8	V	SOP8
MCS108K-030UR-3	3.3	Vcc/10	30	88	600	0.8	V	SOP8
MCS108K-050BR-3	3.3	Vcc/2	±50	26.4	600	0.8	V	SOP8
MCS108K-050UR-3	3.3	Vcc/10	50	52.8	600	0.8	V	SOP8



SOP8

MCS109K series

Part Number	VCC (V)	VOUT(Q)(V)	IP (A)	Sens Typ. (mV/A)	BW (kHz)	Response(μS)	AECQ	Package type
MCS109K-010BR-3	3.3	Vcc/2	±10	132	400	1	V	SOP8
MCS109K-020BR-3	3.3	Vcc/2	±20	66	400	1	V	SOP8
MCS109K-020UR-3	3.3	Vcc/10	20	132	400	1	V	SOP8
MCS109K-030BR-3	3.3	Vcc/2	±30	44	400	1	V	SOP8
MCS109K-030UR-3	3.3	Vcc/10	30	88	400	1	V	SOP8
MCS109K-050BR-3	3.3	Vcc/2	±50	26.4	400	1	V	SOP8
MCS109K-050UR-3	3.3	Vcc/10	50	52.8	400	1	V	SOP8
MCS109K-010BR	5	Vcc/2	±10	200	400	1	V	SOP8
MCS109K-020BR	5	Vcc/2	±20	100	400	1	V	SOP8
MCS109K-020UR	5	Vcc/10	20	200	400	1	V	SOP8
MCS109K-030BR	5	Vcc/2	±30	66.7	400	1	V	SOP8
MCS109K-030UR	5	Vcc/10	30	133.3	400	1	V	SOP8
MCS109K-050BR	5	Vcc/2	±50	40	400	1	V	SOP8
MCS109K-050UR	5	Vcc/10	50	80	400	1	V	SOP8

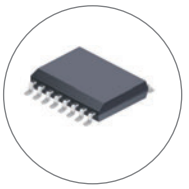


SOP8

Current Sensor

MCS233K series

Part Number	VCC (V)	VOUT(Q)(V)	IP (A)	Sens Typ. (mV/A)	BW (kHz)	Response(μS)	AECQ	Package type
MCS233K-020BR	5	Vcc/2	±20	100	700	0.8	V	SOP16
MCS233K-020UR	5	Vcc/10	20	200	700	0.8	V	SOP16
MCS233K-040BR	5	Vcc/2	±40	50	700	0.8	V	SOP16
MCS233K-040UR	5	Vcc/10	40	100	700	0.8	V	SOP16
MCS233K-065BR	5	Vcc/2	±65	30.8	700	0.8	V	SOP16
MCS233K-065UR	5	Vcc/10	65	61.5	700	0.8	V	SOP16
MCS233K-075BR	5	Vcc/2	±75	26.7	700	0.8	V	SOP16
MCS233K-075UR	5	Vcc/10	75	53.3	700	0.8	V	SOP16
MCS233K-020BR-3	3.3	Vcc/2	±20	66	700	0.8	V	SOP16
MCS233K-020UR-3	3.3	Vcc/10	20	132	700	0.8	V	SOP16
MCS233K-040BR-3	3.3	Vcc/2	±40	33	700	0.8	V	SOP16
MCS233K-040UR-3	3.3	Vcc/10	40	66	700	0.8	V	SOP16
MCS233K-065BR-3	3.3	Vcc/2	±65	20.3	700	0.8	V	SOP16
MCS233K-065UR-3	3.3	Vcc/10	65	40.6	700	0.8	V	SOP16
MCS233K-075BR-3	3.3	Vcc/2	±75	17.6	700	0.8	V	SOP16
MCS233K-075UR-3	3.3	Vcc/10	75	35.2	700	0.8	V	SOP16

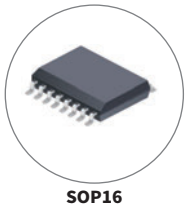


SOP16

Current Sensor

MCS235K series

Part Number	VCC (V)	VOUT(Q)(V)	IP (A)	Sens Typ. (mV/A)	BW (kHz)	Response(μS)	Package type
MCS235K-020BR	5	Vcc/2	±20	100	1000	0.5	SOP16
MCS235K-020UR	5	Vcc/10	20	200	1000	0.5	SOP16
MCS235K-040BR	5	Vcc/2	±40	50	1000	0.5	SOP16
MCS235K-040UR	5	Vcc/10	40	100	1000	0.5	SOP16
MCS235K-065BR	5	Vcc/2	±65	30.8	1000	0.5	SOP16
MCS235K-065UR	5	Vcc/10	65	61.5	1000	0.5	SOP16
MCS235K-075BR	5	Vcc/2	±75	26.7	1000	0.5	SOP16
MCS235K-075UR	5	Vcc/10	75	53.4	1000	0.5	SOP16
MCS235K-020BR-3	3.3	Vcc/2	±20	66	1000	0.5	SOP16
MCS235K-020UR-3	3.3	Vcc/10	20	132	1000	0.5	SOP16
MCS235K-040BR-3	3.3	Vcc/2	±40	33	1000	0.5	SOP16
MCS235K-040UR-3	3.3	Vcc/10	40	66	1000	0.5	SOP16
MCS235K-065BR-3	3.3	Vcc/2	±65	20.3	1000	0.5	SOP16
MCS235K-065UR-3	3.3	Vcc/10	65	40.6	1000	0.5	SOP16
MCS235K-075BR-3	3.3	Vcc/2	±75	17.6	1000	0.5	SOP16
MCS235K-075UR-3	3.3	Vcc/10	75	35.2	1000	0.5	SOP16

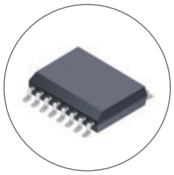


SOP16

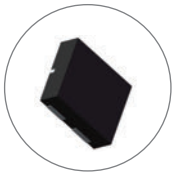
Current Sensor

MCS238K series

Part Number	VCC (V)	VOUT(Q)(V)	IP (A)	Sens Typ. (mV/A)	BW (kHz)	Response(μS)	AECQ	Package type
MCS238K-010BR	5	Vcc/2	±10	200	1500	0.3	V	SOP16
MCS238K-020BR	5	Vcc/2	±20	100	1500	0.3	V	SOP16
MCS238K-020UR	5	Vcc/10	20	200	1500	0.3	V	SOP16
MCS238K-040BR	5	Vcc/2	±40	50	1500	0.3	V	SOP16
MCS238K-040UR	5	Vcc/10	40	100	1500	0.3	V	SOP16
MCS238K-050BR	5	Vcc/2	±50	40	1500	0.3	V	SOP16
MCS238K-050UR	5	Vcc/10	50	80	1500	0.3	V	SOP16
MCS238K-010BR-3	3.3	Vcc/2	±10	132	1500	0.3	V	SOP16
MCS238K-020BR-3	3.3	Vcc/2	±20	66	1500	0.3	V	SOP16
MCS238K-020UR-3	3.3	Vcc/10	20	132	1500	0.3	V	SOP16
MCS238K-040BR-3	3.3	Vcc/2	±40	33	1500	0.3	V	SOP16
MCS238K-040UR-3	3.3	Vcc/10	40	66	1500	0.3	V	SOP16
MCS238K-050BR-3	3.3	Vcc/2	±50	26.4	1500	0.3	V	SOP16
MCS238K-050UR-3	3.3	Vcc/10	50	52.8	1500	0.3	V	SOP16



SOP16



QFN

MCS382K series

Part Number	VCC (V)	VOUT(Q)(V)	IP (A)	Sens Typ. (mV/A)	BW (kHz)	Response(μS)	AECQ	Package type
MCS382K-30B5QFRG	5	VCCx0.5	±30	66	400	1	V	QFN
MCS382K-40B5QFRG	5	VCCx0.5	±40	50	400	1	V	QFN
MCS382K-50B5QFRG	5	VCCx0.5	±40	40	400	1	V	QFN
MCS382K-100B5QFRG	5	VCCx0.5	±100	20	400	1	V	QFN
MCS382K-150B5QFRG	5	VCCx0.5	±150	13.3	400	1	V	QFN
MCS382K-30U5QFRG	5	VCCx0.1	30	133	400	1	V	QFN
MCS382K-40U5QFRG	5	VCCx0.1	40	100	400	1	V	QFN
MCS382K-50U5QFRG	5	VCCx0.1	50	80	400	1	V	QFN
MCS382K-100U5QFRG	5	VCCx0.1	100	40	400	1	V	QFN
MCS382K-150U5QFRG	5	VCCx0.1	150	26.7	400	1	V	QFN
MCS382K-30B3QFRG	3.3	VCCx0.5	±30	44	400	1	V	QFN
MCS382K-40B3QFRG	3.3	VCCx0.5	±40	33	400	1	V	QFN
MCS382K-50B3QFRG	3.3	VCCx0.5	±50	26.4	400	1	V	QFN
MCS382K-100B3QFRG	3.3	VCCx0.5	±100	13.2	400	1	V	QFN
MCS382K-150B3QFRG	3.3	VCCx0.5	±150	8.8	400	1	V	QFN
MCS382K-30U3QFRG	3.3	VCCx0.1	30	88	400	1	V	QFN
MCS382K-40U3QFRG	3.3	VCCx0.1	40	66	400	1	V	QFN
MCS382K-50U3QFRG	3.3	VCCx0.1	50	52.8	400	1	V	QFN
MCS382K-100U3QFRG	3.3	VCCx0.1	100	26.4	400	1	V	QFN
MCS382K-150U3QFRG	3.3	VCCx0.1	150	17.6	400	1	V	QFN

Current Sensor

MCS383K series

Part Number	VCC (V)	VOUT(Q)(V)	IP (A)	Sens Typ. (mV/A)	BW (kHz)	Response(μS)	AECQ	Package type
MCS383K-30B5QFRG	5	VCCx0.5	±30	66	600	0.8	V	QFN
MCS383K-40B5QFRG	5	VCCx0.5	±40	50	600	0.8	V	QFN
MCS383K-50B5QFRG	5	VCCx0.5	±40	40	600	0.8	V	QFN
MCS383K-100B5QFRG	5	VCCx0.5	±100	20	600	0.8	V	QFN
MCS383K-150B5QFRG	5	VCCx0.5	±150	13.3	600	0.8	V	QFN
MCS383K-30U5QFRG	5	VCCx0.1	30	133	600	0.8	V	QFN
MCS383K-40U5QFRG	5	VCCx0.1	40	100	600	0.8	V	QFN
MCS383K-50U5QFRG	5	VCCx0.1	50	80	600	0.8	V	QFN
MCS383K-100U5QFRG	5	VCCx0.1	100	40	600	0.8	V	QFN
MCS383K-150U5QFRG	5	VCCx0.1	150	26.7	600	0.8	V	QFN
MCS383K-30B3QFRG	3.3	VCCx0.5	±30	44	600	0.8	V	QFN
MCS383K-40B3QFRG	3.3	VCCx0.5	±40	33	600	0.8	V	QFN
MCS383K-50B3QFRG	3.3	VCCx0.5	±50	26.4	600	0.8	V	QFN
MCS383K-100B3QFRG	3.3	VCCx0.5	±100	13.2	600	0.8	V	QFN
MCS383K-150B3QFRG	3.3	VCCx0.5	±150	8.8	600	0.8	V	QFN
MCS383K-30U3QFRG	3.3	VCCx0.1	30	88	600	0.8	V	QFN
MCS383K-40U3QFRG	3.3	VCCx0.1	40	66	600	0.8	V	QFN
MCS383K-50U3QFRG	3.3	VCCx0.1	50	52.8	600	0.8	V	QFN
MCS383K-100U3QFRG	3.3	VCCx0.1	100	26.4	600	0.8	V	QFN
MCS383K-150U3QFRG	3.3	VCCx0.1	150	17.6	600	0.8	V	QFN

MCS385K series

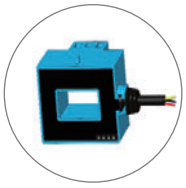
Part Number	VCC (V)	VOUT(Q)(V)	IP (A)	Sens Typ. (mV/A)	BW (kHz)	Response (μS)	AECQ	Package type
MCS385K-30B5QFRG	5	VCCx0.5	±30	66	1000	0.5	V	QFN
MCS385K-40B5QFRG	5	VCCx0.5	±40	50	1000	0.5	V	QFN
MCS385K-50B5QFRG	5	VCCx0.5	±50	40	1000	0.5	V	QFN
MCS385K-100B5QFRG	5	VCCx0.5	±100	20	1000	0.5	V	QFN
MCS385K-150B5QFRG	5	VCCx0.5	±150	13.3	1000	0.5	V	QFN
MCS385K-30U5QFRG	5	VCCx0.1	30	133	1000	0.5	V	QFN
MCS385K-40U5QFRG	5	VCCx0.1	40	100	1000	0.5	V	QFN
MCS385K-50U5QFRG	5	VCCx0.1	50	80	1000	0.5	V	QFN
MCS385K-100U5QFRG	5	VCCx0.1	100	40	1000	0.5	V	QFN
MCS385K-150U5QFRG	5	VCCx0.1	150	26.7	1000	0.5	V	QFN
MCS385K-30B3QFRG	3.3	VCCx0.5	±30	44	1000	0.5	V	QFN
MCS385K-40B3QFRG	3.3	VCCx0.5	±40	33	1000	0.5	V	QFN
MCS385K-50B3QFRG	3.3	VCCx0.5	±50	26.4	1000	0.5	V	QFN
MCS385K-100B3QFRG	3.3	VCCx0.5	±100	13.2	1000	0.5	V	QFN
MCS385K-150B3QFRG	3.3	VCCx0.5	±150	8.8	1000	0.5	V	QFN
MCS385K-30U3QFRG	3.3	VCCx0.1	30	88	1000	0.5	V	QFN
MCS385K-40U3QFRG	3.3	VCCx0.1	40	66	1000	0.5	V	QFN
MCS385K-50U3QFRG	3.3	VCCx0.1	50	52.8	1000	0.5	V	QFN
MCS385K-100U3QFRG	3.3	VCCx0.1	100	26.4	1000	0.5	V	QFN
MCS385K-150U3QFRG	3.3	VCCx0.1	150	17.6	1000	0.5	V	QFN

QFN

Current Sensor Module

MCK-BKT5-R Series

Part Number	Mode	VCC (V)	Rated Output Voltage (V)	Current Consumption (mA)	Rated Input Current (I_{PN}) (A)	Measuring Current Range (I_{PM}) (A)	Response Time (μS)	Bandwidth(kHz)
MCK-50BKT5-R	Open Loop	±5	2.5±0.625V,±1%	13	50	100	1.3	250
MCK-100BKT5-R	Open Loop	±5	2.5±0.625V,±1%	13	100	200	2.3	250
MCK-200BKT5-R	Open Loop	±5	2.5±0.625V,±1%	13	200	400	3.3	250
MCK-300BKT5-R	Open Loop	±5	2.5±0.625V,±1%	13	300	600	4.3	250
MCK-400BKT5-R	Open Loop	±5	2.5±0.625V,±1%	13	400	800	5.3	250
MCK-600BKT5-R	Open Loop	±5	2.5±0.625V,±1%	13	600	900	6.3	250



MCK-BKT5-R Series

MCK-BKT5-S Series

Part Number	Mode	VCC (V)	Rated Output Voltage (V)	Current Consumption (mA)	Rated Input Current (I_{PN}) (A)	Measuring Current Range (I_{PM}) (A)	Response Time (μS)	Bandwidth(kHz)
MCK-50BKT5-S	Open Loop	±5	2.5±0.625V,±1%	13	50	100	7.3	250
MCK-100BKT5-S	Open Loop	±5	2.5±0.625V,±1%	13	100	200	8.3	250
MCK-200BKT5-S	Open Loop	±5	2.5±0.625V,±1%	13	200	400	9.3	250
MCK-300BKT5-S	Open Loop	±5	2.5±0.625V,±1%	13	300	600	10.3	250
MCK-400BKT5-S	Open Loop	±5	2.5±0.625V,±1%	13	400	800	11.3	250
MCK-600BKT5-S	Open Loop	±5	2.5±0.625V,±1%	13	600	900	12.3	250

MCK-BKT5-S Series

Current Sensor Module

MCK-EKA Series

Part Number	Mode	VCC (V)	Rated Output Voltage (V)	Current Consumption (mA)	Rated Input Current (I_{PN}) (A)	Measuring Current Range (I_{PM}) (A)	Response Time (μS)	Bandwidth(kHz)
MCK-50EKA	Open Loop	±12 ~ ±15	4	25	50	100	5	50
MCK-100EKA	Open Loop	±12 ~ ±15	4	25	100	200	5	50
MCK-200EKA	Open Loop	±12 ~ ±15	4	25	200	400	5	50
MCK-300EKA	Open Loop	±12 ~ ±15	4	25	300	600	5	50
MCK-400EKA	Open Loop	±12 ~ ±15	4	25	400	800	5	50
MCK-500EKA	Open Loop	±12 ~ ±15	4	25	500	1000	5	50

MCK-EKA Series

MCK-EKB Series

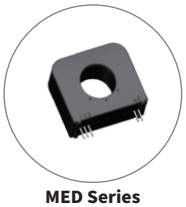
Part Number	Mode	VCC (V)	Rated Output Voltage (V)	Current Consumption (mA)	Rated Input Current (I_{PN}) (A)	Measuring Current Range (I_{PM}) (A)	Response Time (μS)	Bandwidth(kHz)
MCK-100EKB	Open Loop	±15	4	18	100	300	5	20
MCK-200EKB	Open Loop	±15	4	18	200	600	5	20
MCK-300EKB	Open Loop	±15	4	18	300	900	5	20
MCK-500EKB	Open Loop	±15	4	18	500	1500	5	20
MCK-1000EKB	Open Loop	±15	4	18	1000	2000	5	20
MCK-2000EKB	Open Loop	±15	4	18	2000	3000	5	20

MCK-EKB Series

Current Sensor Module

MED Series

Part Number	Mode	VCC (V)	Rated Output Voltage (V)	Current Consumption (mA)	Rated Input Current (I_{PN}) (A)	Measuring Current Range (I_{PM}) (A)	Response Time (μS)	Bandwidth(kHz)
MED-0.3LCM	Leakage Current	±5	2.5+2*Ipn/Ip	25	0.3	0~±0.6		0.7
MED-0.6LCM	Leakage Current	±5	2.5+2*Ipn/Ip	25	0.6	0~±0.85		0.7
MED-1LCM	Leakage Current	±5	2.5+2*Ipn/Ip	25	1	0~±1.5		0.7



MED Series

MDHC20-118 Series

Part Number	Mode	VCC (V)	Rated Output Voltage (V)	Current Consumption (mA)	Rated Input Current (I_{PN}) (A)	Sensor Sen.(mV/A)	Measuring Current Range (I_{PM}) (A)	Response Time (μS)	Bandwidth(kHz)
MDHC20-118	Open Loop	5	VCC/2	14	Channel 1: ±30 Channel 2: ±350		Channel 1: 66.7 Channel 2: 5.7	10	20

MDHC20-118 Series

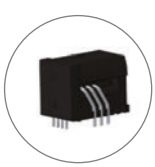
Current Sensor Module

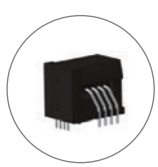
MCB-CAS-CASR-CKSR Series

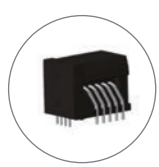
Part Number	Mode	VCC (V)	Rated Output Voltage (V)	Current Consumption (mA)	Rated Input Current (I_{PN}) (A)	Measuring Current Range (I_{PM}) (A)	Sensor Sen. (mV/A)	Response Time (μS)	Bandwidth(kHz)
MCB-15CAS	Closed Loop	5	2.5	15+IP*NP/NS*1000	15	±51	41.67 (0.625@I-pn)	1	400
MCB-25CAS	Closed Loop	5	2.5	15+IP*NP/NS*1000	25	±85	25 (0.625@I-pn)	1	400
MCB-50CAS	Closed Loop	5	2.5	15+IP*NP/NS*1000	50	±150	12.5 (0.625@I-pn)	1	400
MCB-15CASR	Closed Loop	5	2.5	15+IP*NP/NS*1000	15	±51	41.67 (0.625@I-pn)	1	400
MCB-25CASR	Closed Loop	5	2.5	15+IP*NP/NS*1000	25	±85	25 (0.625@I-pn)	1	400
MCB-50CASR	Closed Loop	5	2.5	15+IP*NP/NS*1000	50	±150	12.5 (0.625@I-pn)	1	400
MCB-15CKSR	Closed Loop	5	2.5	15+IP*NP/NS*1000	15	±51	41.67 (0.625@I-pn)	1	400
MCB-25CKSR	Closed Loop	5	2.5	15+IP*NP/NS*1000	25	±85	25 (0.625@I-pn)	1	400
MCB-50CKSR	Closed Loop	5	2.5	15+IP*NP/NS*1000	50	±150	12.5 (0.625@I-pn)	1	400

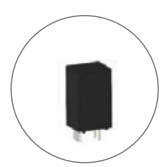
MCK-LY Series

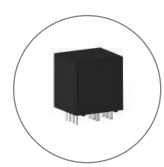
Part Number	Mode	VCC (V)	Rated Output Voltage (V)	Current Consumption (mA)	Rated Input Current (I_{PN}) (A)	Measuring Current Range (I_{PM}) (A)	Response Time (μS)	Bandwidth(kHz)
MCK-05LY	Closed Loop	±15	0	5	±15	800(4@I_pn)	<3	50
MCK-10LY	Closed Loop	±15	0	10	±30	400(4@I_pn)	<3	50
MCK-20LY	Closed Loop	±15	0	20	±60	200(4@I_pn)	<3	50
MCK-30LY	Closed Loop	±15	0	30	±90	133.3(4@I_pn)	<3	50
MCK-40LY	Closed Loop	±15	0	40	±120	100(4@I_pn)	<3	50
MCK-50LY	Closed Loop	±15	0	50	±150	80(4@I_pn)	<3	50


MCB-CAS Series


MCB-CASR Series


MCB-CKSR Series

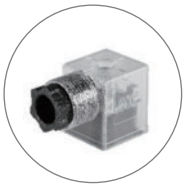

MCK-LY Series


MCK-LY Series

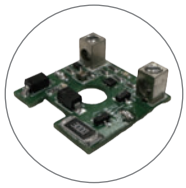
Power-Saving Module

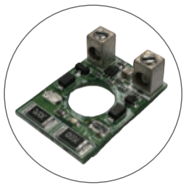
Solenoid valve Power Saving Series

Series	Input (V)	power saving ratio setting	power saving convert time (ms)	Operating Temp.	Start Power(W)	Saving Power(W)	Type
PAB	12/24VDV	adj	300~999	-20 ~ +60	15 ~ 60	4 ~ 8	JB-DIN43650 A
PBB	12/24VDV	adj	1~999	-20 ~ +60	4 ~7	1~ 4	JB-DIN43650 B
PA	12/24VDV	adj	300~999	-20 ~ +60	15 ~ 60	4 ~ 8	PCBA
PB	12/24VDV	adj	1~999	-20 ~ +60	4 ~7	1~ 4	PCBA
PD	12/24VDV	adj	300~999	-20 ~ +60	15 ~ 60	4 ~ 8	External


PAB series


PBB series


PA series


PB series


PD series

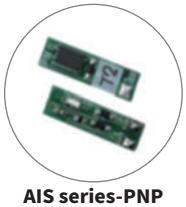
Magnetic Switch Module

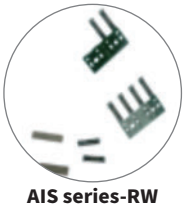
AMR Sensor Series Module

Series	Input (V)	Switching current	Leakage current	Operating Temp.	Internal Voltage Drop	Switching Frequency	Type
AIS series	10~30VDC	100mA Max.	0.06mA Max.	-10 ~ +70	3.5V Max.	1000Hz	EG/EH/EE - Electronic - 2-Wire
AIS series-NPN	5~30VDC	200mA Max.	0.01mA Max.	-10 ~ +70	0.7V Max.	1000Hz	EG/EH/EE - Electronic - 3-Wire NPN
AIS series-PNP	5~30VDC	200mA Max.	0.01mA Max.	-10 ~ +70	0.7V Max.	1000Hz	EG/EH/EE - Electronic - 3-Wire PNP
AIS series-RW	5~240 VAC/DC	100mA Max.	None	-10 ~ +70	2.5V Max.	200Hz	CG/CH - Reed Switch - 2-Wire


AIS series


AIS series-NPN


AIS series-PNP


AIS series-RW

AMR Switch Series finished product

Series	Input (V)	Switching current	Leakage current	Operating Temp.	Internal Voltage Drop	Switching Frequency	Type
AIS series	10~30VDC	100mA Max.	0.06mA Max.	-10 ~ +70	3.5V Max.	1000Hz	EG/EH/EE - Electronic - 2-Wire
AIS series-NPN	5~30VDC	200mA Max.	0.01mA Max.	-10 ~ +70	0.7V Max.	1000Hz	EG/EH/EE - Electronic - 3-Wire NPN
AIS series-PNP	5~30VDC	200mA Max.	0.01mA Max.	-10 ~ +70	0.7V Max.	1000Hz	EG/EH/EE - Electronic - 3-Wire PNP
AIS series-RW	5~240 VAC/DC	100mA Max.	None	-10 ~ +70	2.5V Max.	200Hz	CG/CH - Reed Switch - 2-Wire


AIS series


AIS series-NPN


AIS series-PNP


AIS series-RW

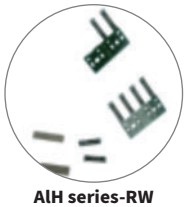
Proximity Switch Module

Hall Sensor Series Module

Series	Voltage Range	Switching current	Leakage current	Operating Temp.	Sensing Distance	Switching Frequency	Type
AIH series-NPN NO	5~30 VDC	30V / 200mA	0.01mA Max.	-10 ~ +70	10mm ± 10%	1000Hz	H8/H12 - Electronic
AIH series-NPN NC	5~30 VDC	30V / 200mA	0.01mA Max.	-10 ~ +70	10mm ± 10%	1000Hz	H8/H12 - Electronic
AIH series-PNP NO	5~30 VDC	30V / 200mA	0.01mA Max.	-10 ~ +70	10mm ± 10%	1000Hz	H8/H12 - Electronic
AIH series-PNP NC	5~30 VDC	30V / 200mA	0.01mA Max.	-10 ~ +70	10mm ± 10%	1000Hz	H8/H12 - Electronic
AIH series-RW NO	6~36 VDC	100mA	None	-10 ~ +70	10mm ± 10%	200Hz	H8/H12 - RS - 2-Wire
AIH series-RW NC	6~36 VDC	100mA	None	-10 ~ +70	10mm ± 10%	200Hz	H8/H12 - RS - 2-Wire
AIH series-RW NC	5~30 VDC	30V / 200mA	0.01mA Max.	-10 ~ +70	10mm ± 10%	1000Hz	H8/H12 - Electronic -3-Wire

AIS series-NPN

AIS series-PNP



AlH series-RW

Hall Switch Series finished product

Series	Voltage Range	Switching current	Leakage current	Operating Temp.	Sensing Distance	Switching Frequency	Type
AIH series-NPN NO	5~30 VDC	30V / 200mA	0.01mA Max.	-10 ~ +70	10mm ± 10%	1000Hz	H8/H12 - Electronic
AIH series-NPN NC	5~30 VDC	30V / 200mA	0.01mA Max.	-10 ~ +70	10mm ± 10%	1000Hz	H8/H12 - Electronic
AIH series-PNP NO	5~30 VDC	30V / 200mA	0.01mA Max.	-10 ~ +70	10mm ± 10%	1000Hz	H8/H12 - Electronic
AIH series-PNP NC	5~30 VDC	30V / 200mA	0.01mA Max.	-10 ~ +70	10mm ± 10%	1000Hz	H8/H12 - Electronic
AIH series-RW NO	6~36 VDC	100mA	None	-10 ~ +70	10mm ± 10%	200Hz	H8/H12 - RS - 2-Wire
AIH series-RW NC	6~36 VDC	100mA	None	-10 ~ +70	10mm ± 10%	200Hz	H8/H12 - RS - 2-Wire
AIH series-RW NC	5~30 VDC	30V / 200mA	0.01mA Max.	-10 ~ +70	10mm ± 10%	1000Hz	H8/H12 - Electronic - 3-Wire

AIS series-NPN

AIS series-PNP

AlH series-RW

Product Quality

AECQ-100
Automotive Line
Qualified by AECQ-100

JEDEC STD
Commercial Line
Qualified by JEDEC

<1.0PPM
Product Quality Level
<1.0PPM

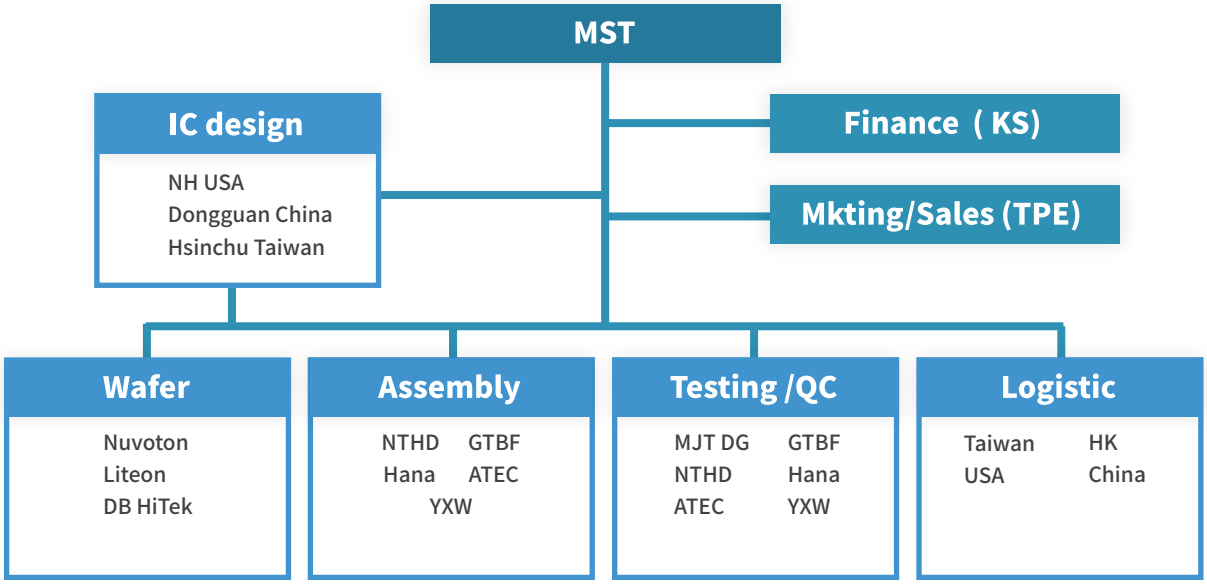
Application Scope

- BLDC
- Automation
- Artificial Intelligence
- Smart Meter
- Industry
- Robot
- Appliance 3C
- Big Data
- White Goods
- Automotive

R&D Strengths

- Custom Made Capability
- Focus CMOS Technology
- Hall IC MEMS Focus
- Advanced Testing Skill
- Strong FAE Support

MST Manufacturing



QA

Discipline & 6S Audits

Inspectors and Operators discipline will be audited daily.

System Audit

Quality Management System Audit will be carried out twice per year.

Product Audit

Customer product(based on end Product Requirement) will be audited every month based on different customers.

Process Audit

Manufacturing process (based on Control Plan) will be audited every week based on different customers.

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Warehouse: Hong Kong
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