

Linecard 2025


Discrete Active Components

Diodes

ESD & Overvoltage Protection, Rectifier Diodes, Schottky Diodes, Switching Diodes, Bridge Rectifier

02.2025

ESD & OVERVOLTAGE PROTECTION

Product type	Package	Voltage min	Voltage max	max.PD [w]
ESD  DFN1006	DFN0603	1	36	170
	DFN1006	2,5	36	1600
	DFN1210	5	5	60
	DFN1608	24	24	110
	DFN1610	2,5	36	5475
	DFN2020	15	24	6500
	DFN2510	1,5	5	112
	DFN2626	3,3	3,3	450
	DFN3020	2,5	2,5	860
	DFN3810	3,3	3,3	20
	SOD-323	3,3	36	2550
	SOD-523	3,3	36	504
	SOD-923	5	5	80
	SOP8	2,8	24	350
	SOT-143	3,3	70	350
	SOT-23	3,3	36	570
	SOT-323	5	24	150
	SOT-353	5	5	100
	SOT-363	5	5	250
	SOT-523	5	5	130
	SOT-553	5	5	50
	SOT-563	3,3	5	100
	SOT-723	5	5	50
	TVS  SMA	ASM-10A	10	170
DO-15		5,8	510	600
DO-201		5,8	376	1500
DO-218		10	48	6600
DO-41		5,8	595	400
P600		5	288	30000
SLTO-263		20	57	6600
SMA		5	800	1500
SMB		5	480	3000
SMC		5	495	8000
SOD-123		3,3	440	600
Zener  SMA		DL-41G	3,3	75
	DO-201	3,3	200	5
	DO-35G	1,8	100	0,5
	DO-41	11	330	3
	DO-41G	3,3	75	1
	SMA	2,85	370	2
	SMB	3,3	200	3
	SMC	3,3	200	5
	SOD-123	1,8	330	1
	SOD-523	2,4	75	0,3
	SOD-80	2,4	75	0,5
	SOT-23	2,4	75	0,35
	SOT-323	2,4	39	0,2
	T1006P2	2	39	0,125

RECTIFIER DIODES

Product type	Package	Voltage min	Voltage max	max.IR [A]	
General Purpose  SMA	SMB	50	1000	5	
	DO-41	50	1000	1	
	TO-252	50	1000	10	
	P600	100	1000	10	
	SMC	50	1000	15	
	SMA	50	1000	2	
	SOD-123	50	1000	2	
	DO-15	50	1000	2	
	TO-277	50	1000	8	
	DO-201	50	1000	3	
	Recovery  SMA	TO-247	400	600	30
		ITO-220	50	1600	20
SOD-323		50	1000	1	
D2PAK		50	600	20	
TO-277		50	600	10	
DO-201		50	1000	6	
DO-15		50	1000	2	
SOD-123		50	1000	1	
DO-41		50	1000	1	
TO-220		50	600	20	
P600		50	1000	6	
SMA		50	1000	3	
SMC		50	1000	6	
SMB		50	1000	3	
DPAK	50	600	10		


Sales

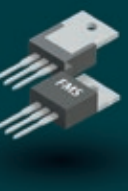
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What's your mission?




SCHOTTKY DIODES


Product type	Package	Voltage min	Voltage max	max.IR [A]
Schottky  SOT-363	SOD-523	30	100	0,35
	DFN0603	30	30	0,75
	SMB	20	200	5
	DO-201	20	200	8
	SMC	20	200	8
	SOD-123	20	200	3
	TO-247	40	200	60
	SOD-323	10	200	2
	DO-15	40	200	2
	ITO-220	40	300	60
	D2PAK	40	200	60
	SOD-923	30	40	0,1
	DO-41	20	200	1
	DPAK	40	200	20
	SOD-723	30	70	0,2
	TO-277	40	200	20
	DO-213	20	60	1
	SOT-23	25	70	1
	SMA	20	200	5
	SOT-363	30	70	0,2
	SOT-563	30	30	0,2
	TO-220	40	300	60
	DFN5060	60	100	30
	DFN1608	40	40	1
	DFN0402	40	40	0,2
	DFN1006	30	40	1
	R-1	40	60	1

Product type	Package	Voltage min	Voltage max	max.IR [A]
SiC 	ITO-220	650	650	20
	D2PAK	650	650	29
	DPAK	650	650	29
	TO-247	650	1200	50
	TO-220	650	650	38

SWITCHING DIODES

Product type	Package	Voltage min	Voltage max	max.IR [A]
Switching  SOT-363	SOT-143	250	250	0,4
	SOT-23	50	350	0,25
	SOT-363	75	250	0,25
	SOT-323	75	250	0,25
	SOT-523	75	300	0,25
	SOD-123	100	350	0,25
	SOD-323	75	350	0,25
	SOD-523	75	300	0,25
	SOD-723	90	90	0,1
	SOD-923	90	90	0,1
	DFN1006	100	100	0,125
	Glass MicroMelf	100	100	0,3
	SOD-80	50	250	0,25
	DO-35	100	250	0,3
	DO-34	90	90	0,15

BRIDGE RECTIFIER

Product type	Package	Voltage min	Voltage max	max.IR [A]
Bridge Rectifier 	ABS	200	1000	1,3
	LMDS	40	1200	3
	LDBS	50	1000	6
	GBU	100	1000	17,5
	GBP	100	1000	25
	GBJ	100	1000	25
	KBPC	100	1000	25
	RB-15	100	1000	1,5
	MP-8	100	1000	7,5
	MDS	40	100	2
	KBU	100	1000	5
	KBP	100	1000	3
	GBPC	100	1000	25
	GBL	100	1000	4
	DF(S)	100	1000	2
	DB(S)	100	1000	2
	WOB	100	1000	2

Notes

Notes

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What's your mission?



Linecard 2025

Discrete Active Components

Transistors

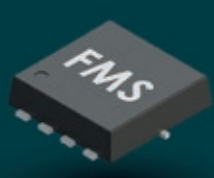
MOSFET, Transistor, Digital Transistor;
Product Availability Semiconductors

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MOSFET

Product type

MOSFET



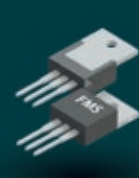
DFN 3333

Package	Channel	Voltage min	Voltage max	max.ID [A]
ITO-220	N-Channel	200	900	30
LFPAK5060	N-Channel	30	30	287
SOP-08	N-Channel	30	150	20
SOT-223	N-Channel	60	600	7
SOT-23	N-Channel	20	600	8
SOT-323	N-Channel	20	100	2,1
SOT-363	N-Channel	20	60	2,1
SOT-523	N-Channel	20	60	2,1
SOT-563	N-Channel	20	50	0,8
SOT-723	N-Channel	20	50	0,63
SOT-89	N-Channel	20	500	20
DFN1006	N-Channel	20	60	1,4
DFN2020	N-Channel	30	100	22
DFN2030	N-Channel	20	20	7,8
DFN3030	N-Channel	60	60	45
DFN3333	N-Channel	20	150	145
DFN3333 Dual	Dual N-Channel	30	100	24
DFN5060	N-Channel	30	200	327
DFN5060 Dual	Dual N-Channel	40	100	55
DFN8080	N-Channel	650	650	20
TO-220	N-Channel	30	800	300
TO-247	N-Channel	100	1500	280
TO-252	N-Channel	30	900	150
TO-263	N-Channel	40	700	271
TOLL-8	N-Channel	80	100	395
TSSOP-8	N-Channel	20	20	6,5
ITO-220	P-Channel	200	200	11
SOP-08	P-Channel	30	60	3,6
SOT-223	P-Channel	60	60	4
SOT-23	P-Channel	12	100	6
SOT-323	P-Channel	20	50	0,35
SOT-363	P-Channel	20	20	2,1
SOT-523	P-Channel	20	50	2,1
SOT-723	P-Channel	20	20	0,51
SOT-89	P-Channel	20	20	5,6
DFN1006	P-Channel	20	20	0,85
DFN2020	P-Channel	20	20	15
DFN3030	P-Channel	40	40	30
DFN3333	P-Channel	20	60	51,8
DFN5060	P-Channel	20	100	85
TO-251	P-Channel	20	60	20
TO-252	P-Channel	30	100	70
DFN5060 Dual	P/N-Channel	30	30	15
SOP-08	P/N-Channel	30	40	10
SOT-23-6	P/N-Channel	20	30	4,5
SOT-363	P/N-Channel	20	60	0,75
DFN2020	P/N-Channel	20	20	6

TRANSISTOR

Product type

Transistor



TO-220AB

Package	Channel	Voltage min	Voltage max	max.Ic [A]
TO-252	NPN	50	100	3
TO-252	PNP	25	140	5
SOT-323	NPN	12	300	0,6
SOT-323	PNP	30	300	0,6
SOT-223	NPN	40	400	4
SOT-223	PNP	45	400	6
SOT-23	NPN	12	400	3
SOT-23	PNP	25	200	3
SOT-563	Dual	45	50	0,15
SOT-363	Dual	30	150	0,6
SOT-89	NPN	30	400	3
SOT-89	PNP	20	400	5
TO-220	PNP	100	100	8
ITO-220AB	PNP	100	100	8
SOT-523	NPN	12	40	0,6
SOT-523	PNP	40	60	0,6

DIGITAL TRANSISTOR

Product type

Digital Transistor



SOT-23

Package	NPN	PNP	Dual NPN	Dual PNP	NPN + PNP
SOT-23	●	●			
SOT-523	●	●			
SOT-323	●	●			
SOT-363			●	●	●

PRODUCT AVAILABILITY SEMI-CONDUCTORS

Holy Stone / FMS

Infineon

Microchip

Nexperia

ON Semiconductor

STMicroelectronics

Vishay

Small Signal Transistor	●	●		●	●	●	●
Thyristor & TRIAC	●					●	
SiC Diode & MOSFETs	●	●	●	●	●	●	●
High Voltage MOSFETs	●	●	●		●	●	●
Medium Voltage MOSFETs	●	●	●	●	●	●	●
Low Voltage MOSFETs	●	●	●	●	●	●	●
ESD & Overvoltage Protection	●	●	●	●	●	●	●
Small Signal Diodes	●	●		●	●	●	●
Power Diodes	●	●	●	●	●	●	●

Sales

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What's your mission?



Linecard 2025


Discrete Active Components

Timing Devices


Oscillator, Crystal, Crystal Filter;
Product Availability Timing Device


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OSCILLATOR

Product type	Product number	Series	Frequency [MHz] min. – max.		Package	Supply Voltage [V]	Output level	Features
	SH14 / H8	SH14 / H8	0.3	160	DIL-14 / DIL-8	1.8 – 5.0	CMOS	
	SH214	SH214	1	60	2.0 x 1.6 x 0.8	1.8 – 3.3	CMOS	Low Jitter
	SH224	SH224	0.3	160	2.5 x 2.0 x 0.9	1.8 – 5.0	CMOS	Low Jitter
	SH324	SH324	0.3	160	3.2 x 2.5 x 1.0	1.8 – 5.0	CMOS	
	SH534	SH534	0.3	160	5.0 x 3.2 x 1.2	1.8 – 5.0	CMOS	Automotive
	SH754	SH754	0.3	160	7.0 x 5.0 x 1.4	1.8 – 5.0	CMOS	

CRYSTAL

Product type	Product number	Series	Frequency [MHz] min. – max.		Package	Load Capacitor
	H11	H11	24	96	1.6 x 1.2 x 0.4	8pF - 32pF
	H21	H21	16	64	2.0 x 1.6 x 0.5	8pF - 32pF
	H22	H22	12	200	2.5 x 2.0 x 0.6	8pF - 32pF
	H32	H32	8	200	3.2 x 2.5 x 0.7	8pF - 32pF
	H53	H53	8	200	5.0 x 3.2 x 0.8	8pF - 32pF
	H75	H75	6	200	7.0 x 5.0 x 1.0	8pF - 32pF

Product type	Product number	Series	Frequency [kHz] min. – max.		Package	Load Capacitor
	H2012	H2012	32.768	32.768	2.0 x 1.2 x 0.55	7pF - 12.5pF
	H3215	H3215	32.768	32.768	3.2 x 1.5 x 0.8	7pF - 12.5pF
	HT26	HT26	32.768	32.768	Ø2.0 x 6.0	7pF - 12.5pF
	HT38	HT38	32.768	32.768	Ø3.0 x 8.0	7pF - 12.5pF

CRYSTAL FILTER

Product type	Product number	Series	Frequency [MHz]	Package	Pass bandwidth [kHz]	Tandem / Set
	HQ	HQ	21.4	7.0 x 5.0	±3.75 ~ ±15	2
	HQ	HQ	21.4	7.0 x 5.0	±3.75 ~ ±15	4
	HQ	HQ	21.7	7.0 x 5.0	±7.5 ~ ±15	2
	HQ	HQ	21.7	7.0 x 5.0	±7.5 ~ ±15	4
	HQ	HQ	45.0	7.0 x 5.0	±3.75 ~ ±15	2
	HQ	HQ	45.0	7.0 x 5.0	±3.75 ~ ±15	4

PRODUCT AVAILABILITY TIMING DEVICE

	Holy Stone	Epson	Taitien	NDK	KDS	Jauch	Microchip
Crystal Units	●	●	●	●	●	●	●
Crystal Oscillator	●	●	●	●	●	●	●
TCXO	●	●	●	●	●	●	●
VCXO	●	●	●	●	●	●	●
Crystal Filter	●			●	●		

Notes



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