

Diodes

Diode Part Number Information

This application note provides typical part number information for the diode product family.

Diodes

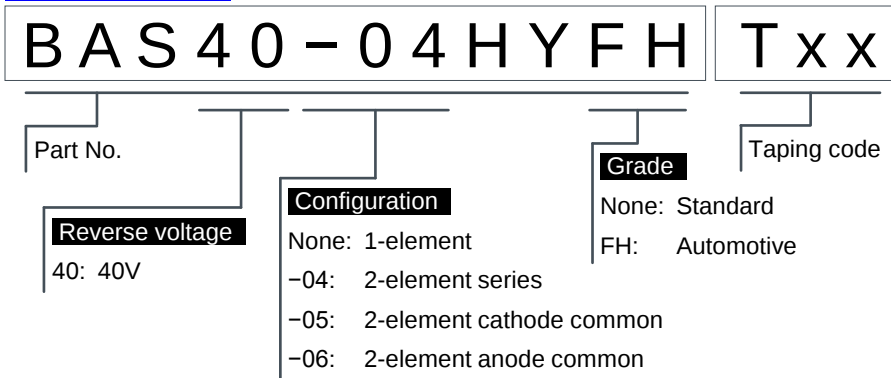
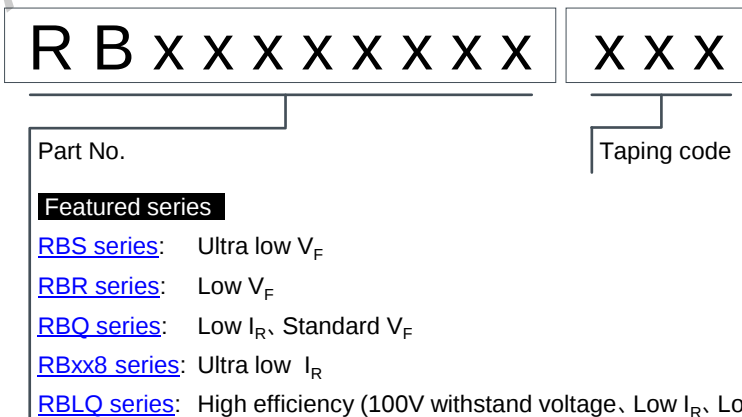
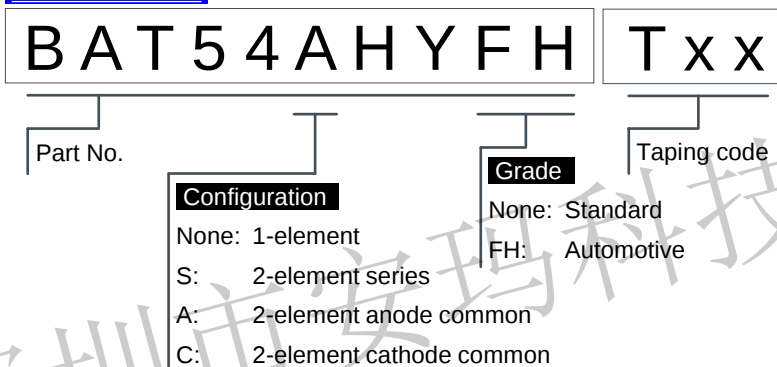
1. [Schottky Barrier Diodes](#)
2. [Fast Recovery Diodes](#)
3. [Zener Diodes](#)
4. [TVS \(Transient Voltage Suppressors\) Diodes](#)
5. [Switching Diodes](#)
6. [Rectifier Diodes](#)
7. [Band Switching Diodes](#)
8. [PIN Diodes](#)
9. [Detection Schottky Diodes](#)
10. [Taping Code](#)

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1. Schottky Barrier Diodes (1)

BASxxxxHY series**BAT54xHY series**

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1. Schottky Barrier Diodes (2)

RSX series



YQ series



Featured series

YQ series: High efficiency (100V withstand voltage、Low I_R 、Low V_F)

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2. Fast Recovery Diodes

R F X X X X X X X X	X X X
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Part No.

Taping code

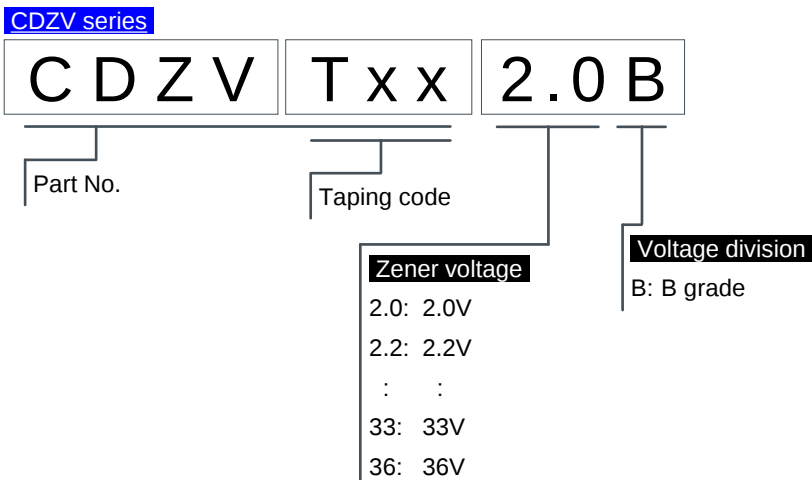
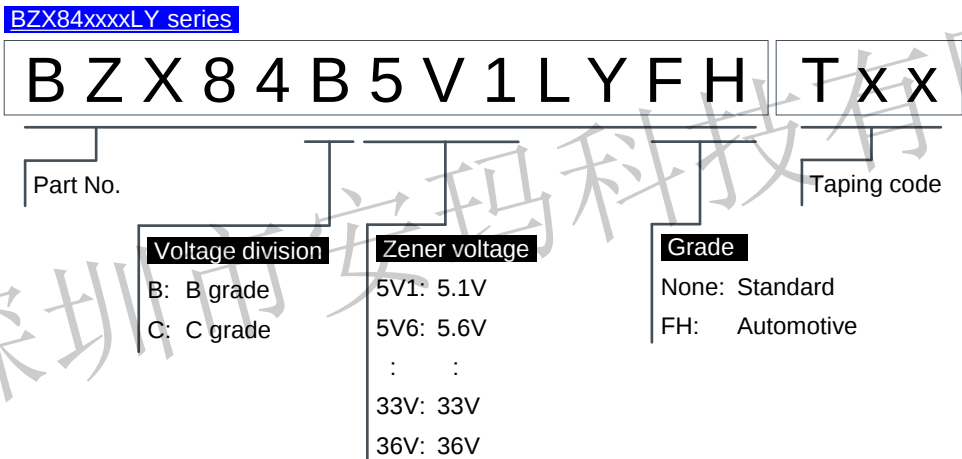
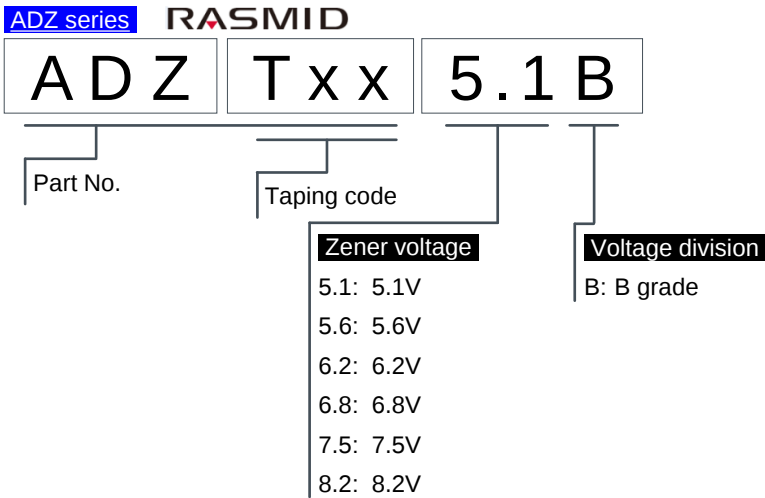
Featured series[RFS series](#): 4th Generation, 650V withstand voltage, High speed t_{rr} , Soft recovery type[RFL series](#): 4th Generation, 650V withstand voltage, Low V_F , Soft recovery type[RFV series](#): 3rd Generation, 600V withstand voltage, Ultra high speed t_{rr} , Hard recovery type[RFNL series](#): 3rd Generation, 600V withstand voltage, Ultra low V_F , Hard recovery type

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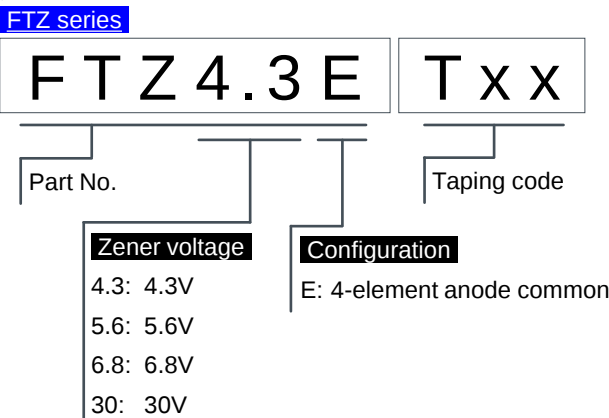
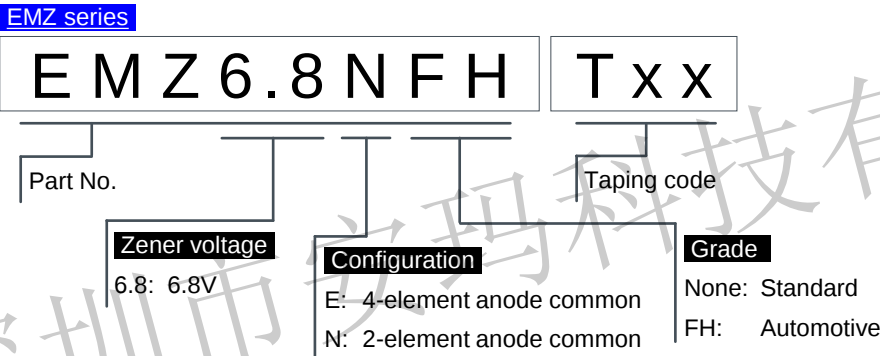
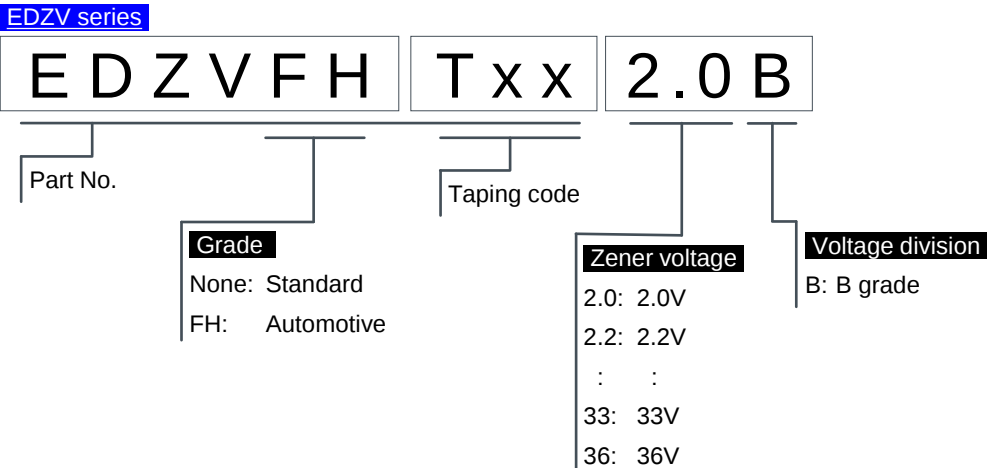
3. Zener Diodes (1)



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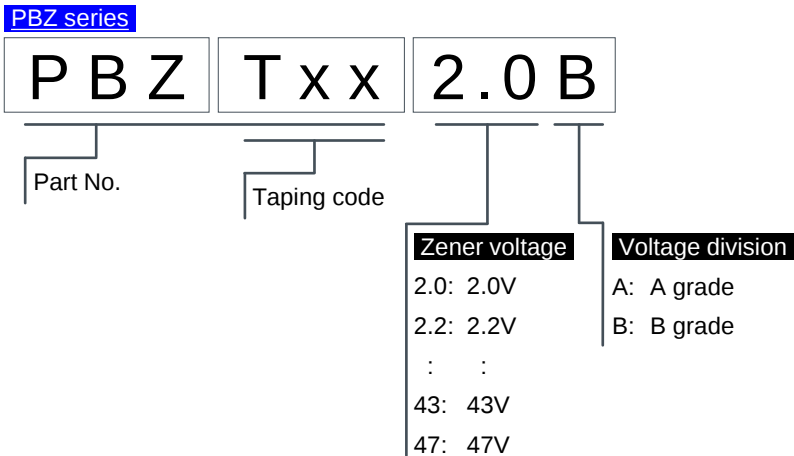
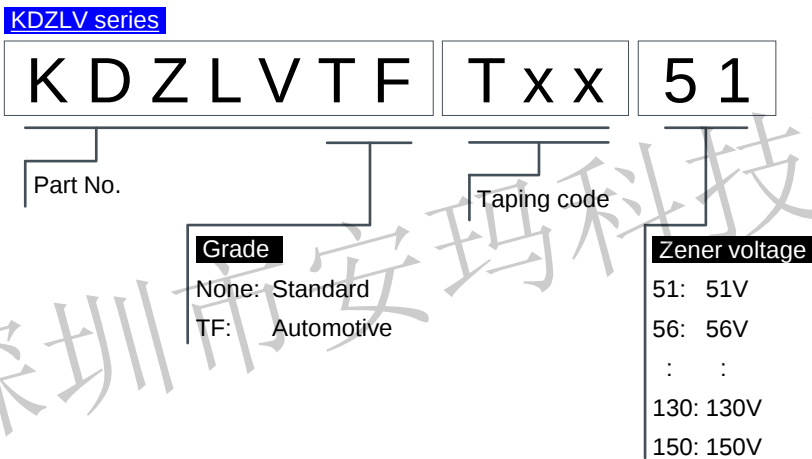
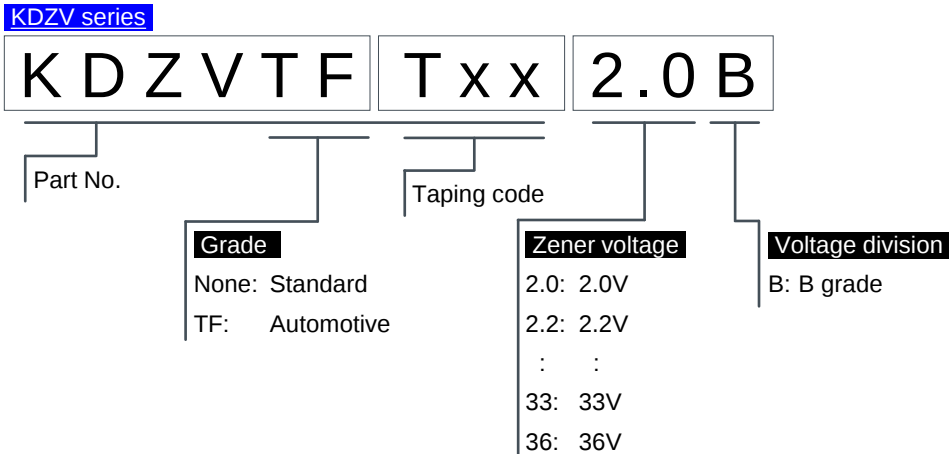
3. Zener Diodes (2)



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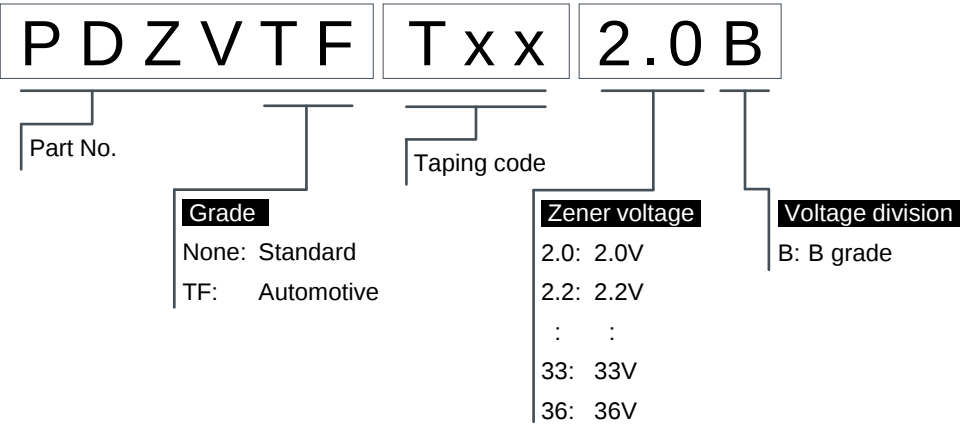
3. Zener Diodes (3)



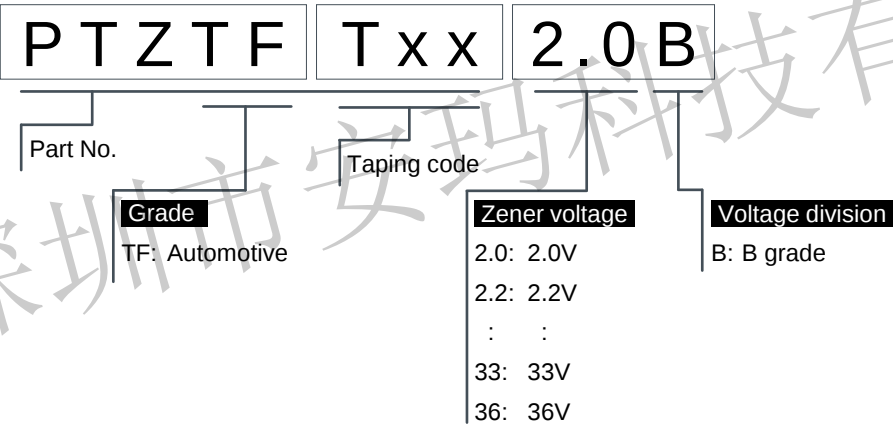
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3. Zener Diodes (4)

PDZV series

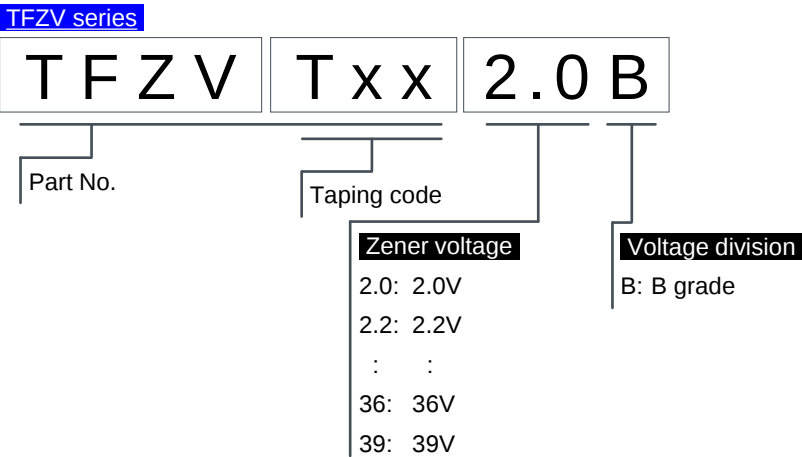
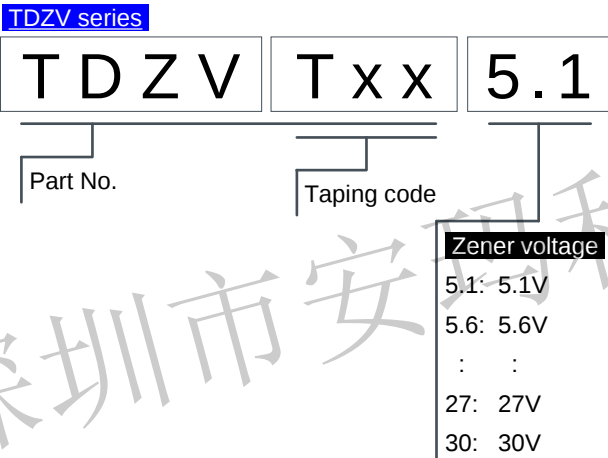
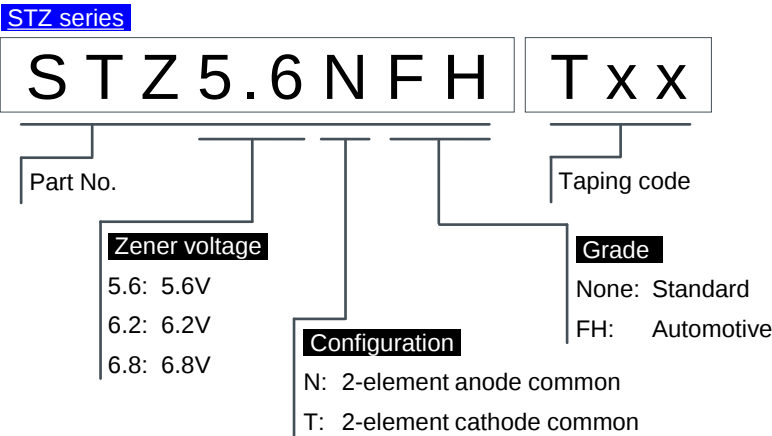


PTZ series



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3. Zener Diodes (5)

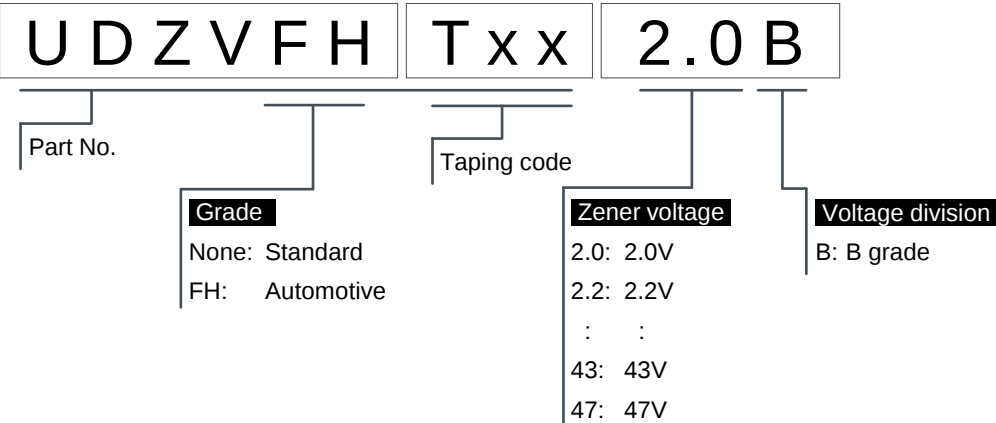


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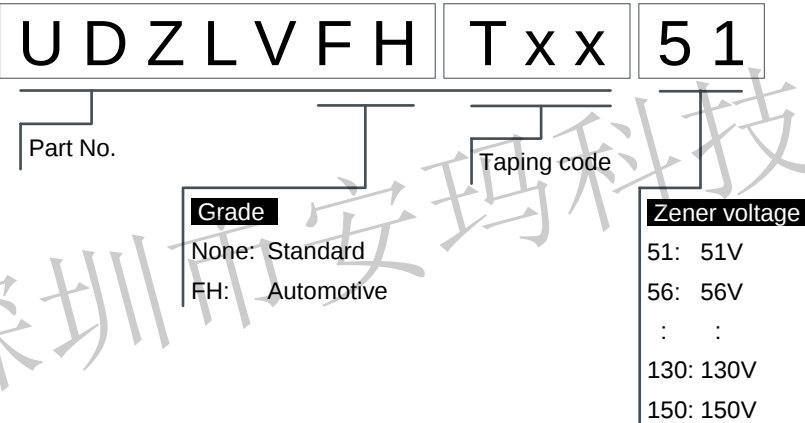
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3. Zener Diodes (6)

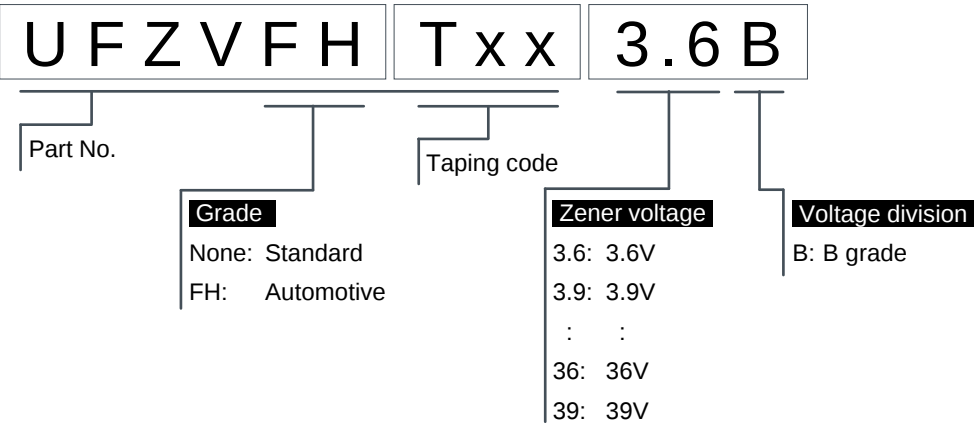
UDZV series



UDZLV series

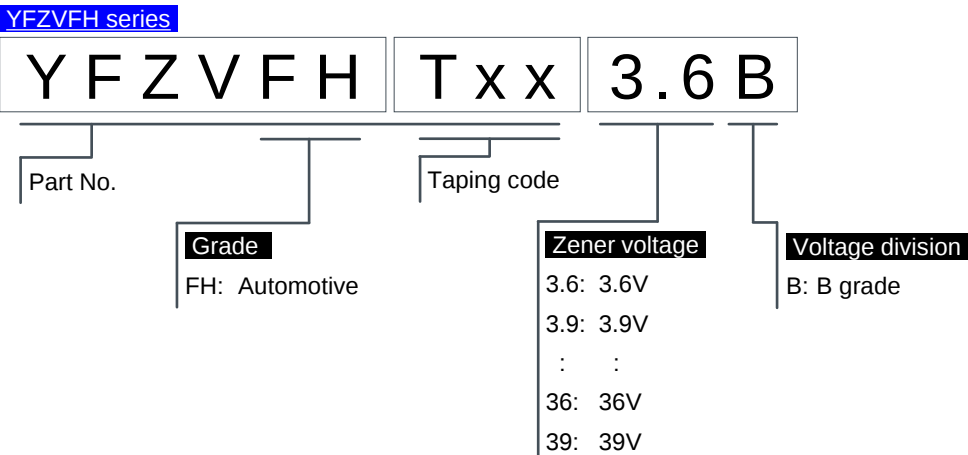
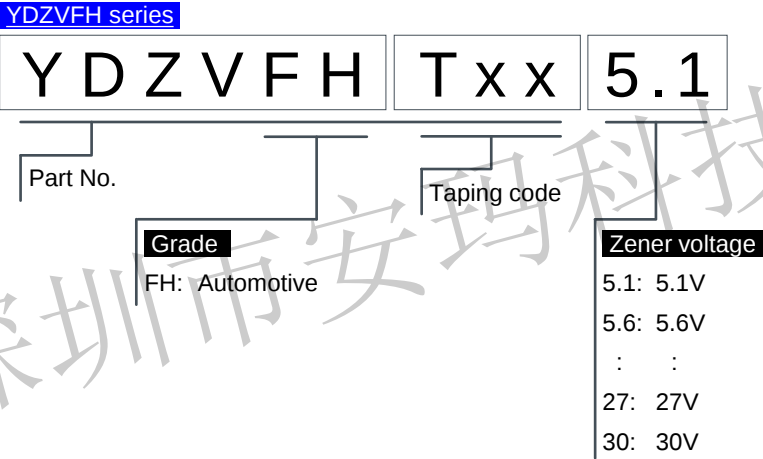
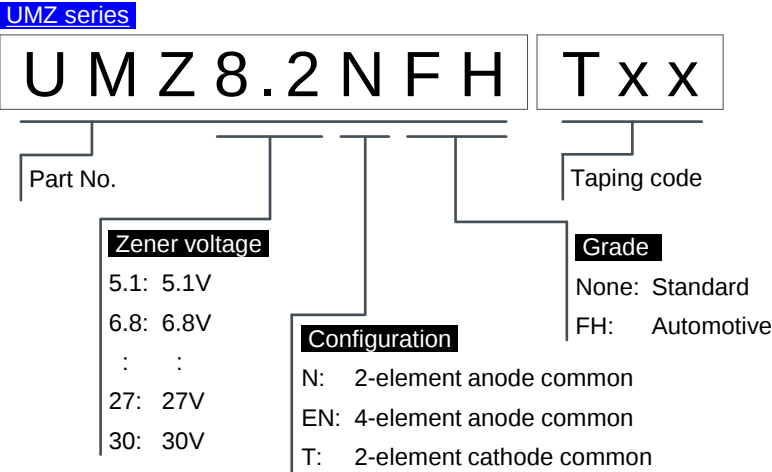


UFZV series



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3. Zener Diodes (7)

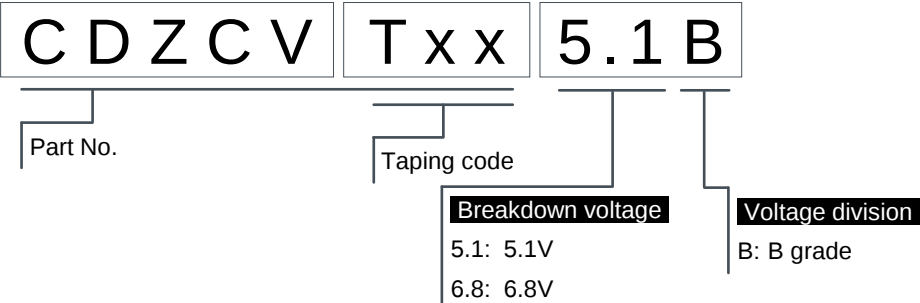


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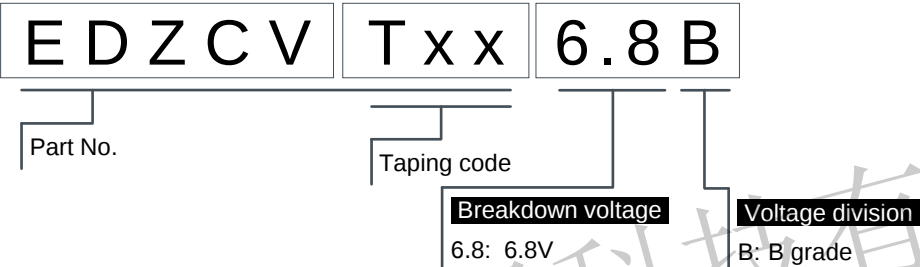
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4. TVS Diodes (1)

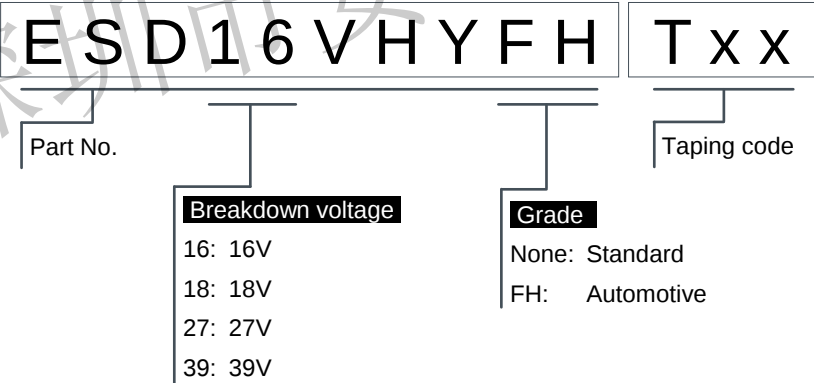
CDZCV series



EDZCV series



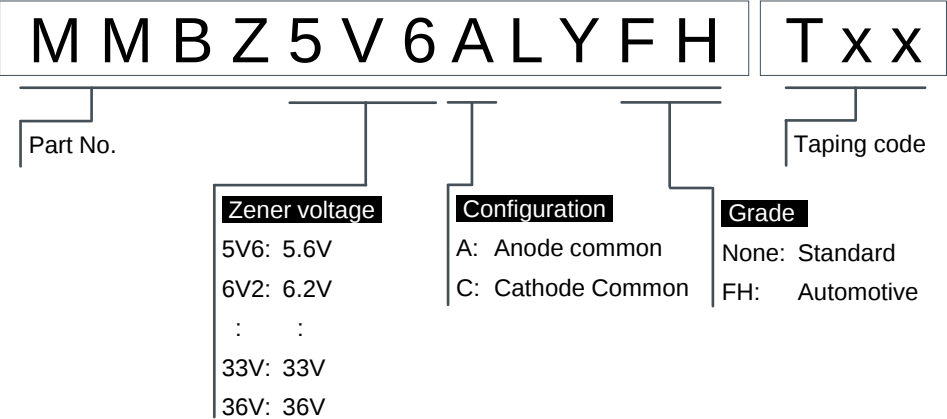
ESDxxVHY series



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4. TVS Diodes (2)

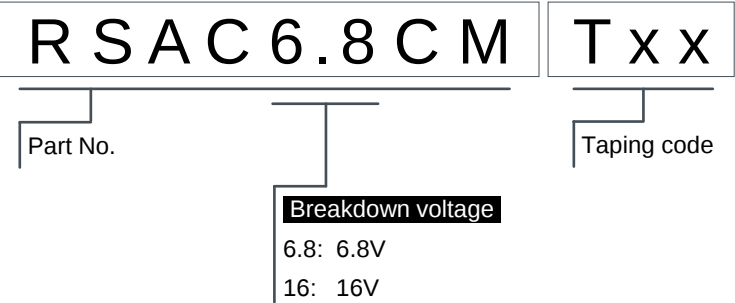
MMBxxxxLY series



RES D1CAN series



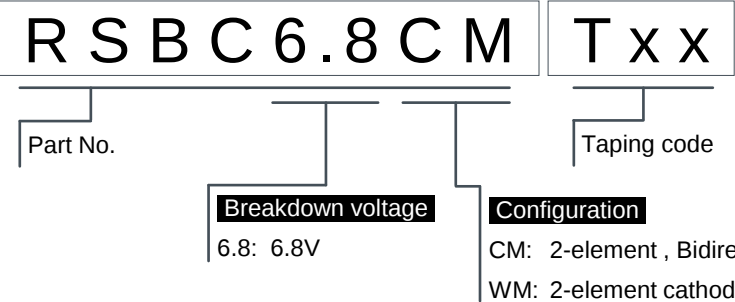
RSAC series



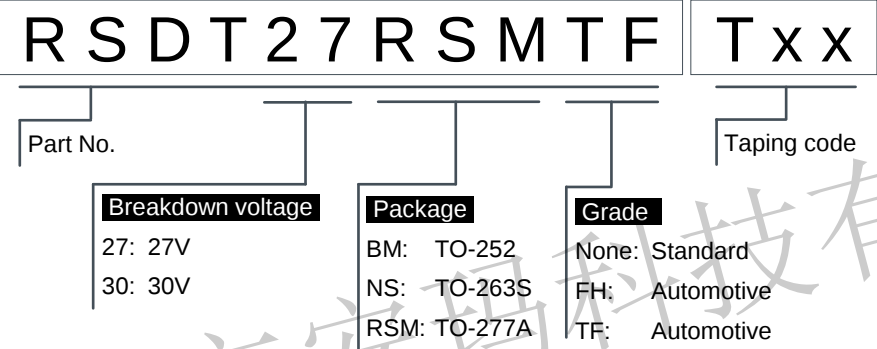
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4. TVS Diodes (3)

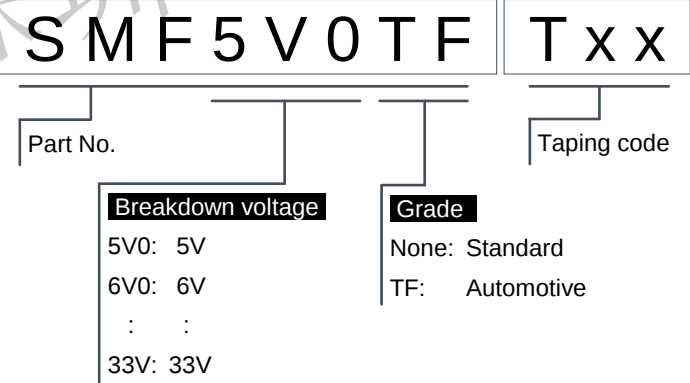
RSBC series



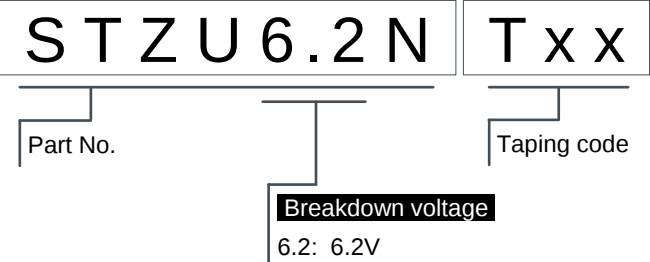
RSDTxxxxx series



SMFxxV series

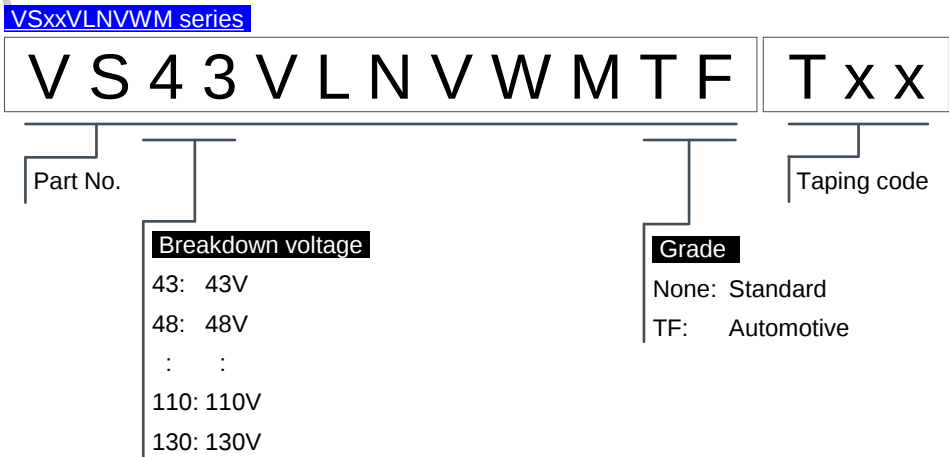
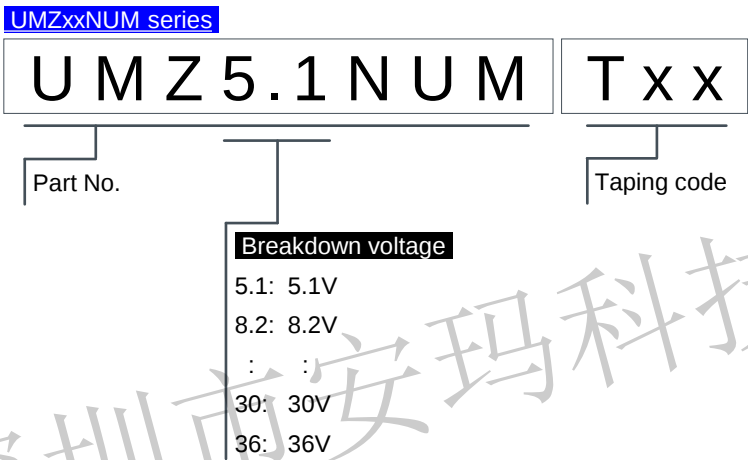
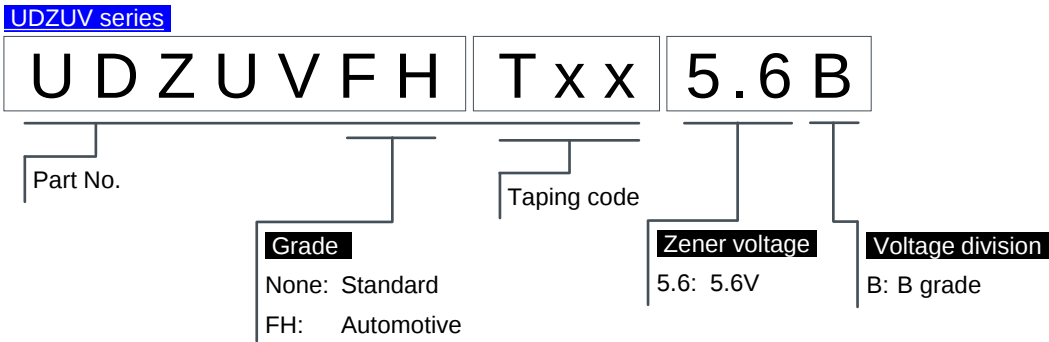


STZU series



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4. TVS Diodes (4)



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4. TVS Diodes (5)

VSxxVUA1LAM series

VS5V0UA1LAMTF

TXX

Part No.

Breakdown voltage

5V0: 5V

6V0: 6V

: :

28V: 28V

30V: 30V

Grade

None: Standard

TF: Automotive

Taping code

RASMID™ series RASMID

VS3V3BA1HS

TXX

Part No.

Standoff voltage

3V3: 3.3V

4V5: 4.5V

: :

9V0: 9.0V

12V: 12V

Package

FS: SMD0402

GS: SMD0402L

ES: SMD0603

HS: SMD0603B

QS: SMD1006

AR: SMD2012

Taping code

VSxxVUA1VWM series

VS5V0UA1VWMTF

TXX

Part No.

Breakdown voltage

5V0: 5V

6V0: 6V

: :

36V: 36V

40V: 40V

Grade

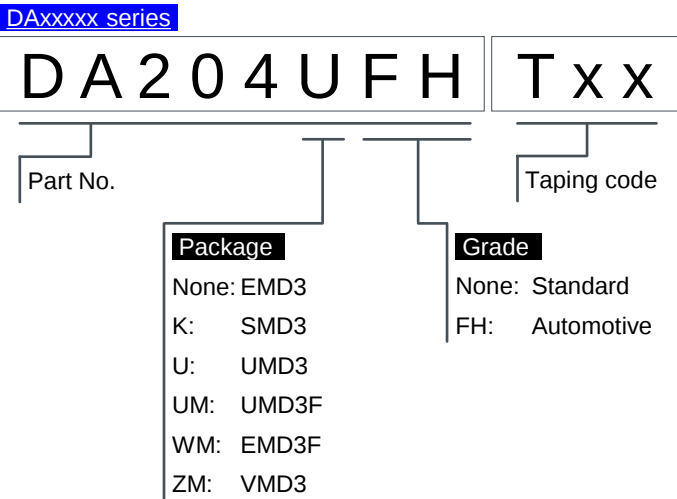
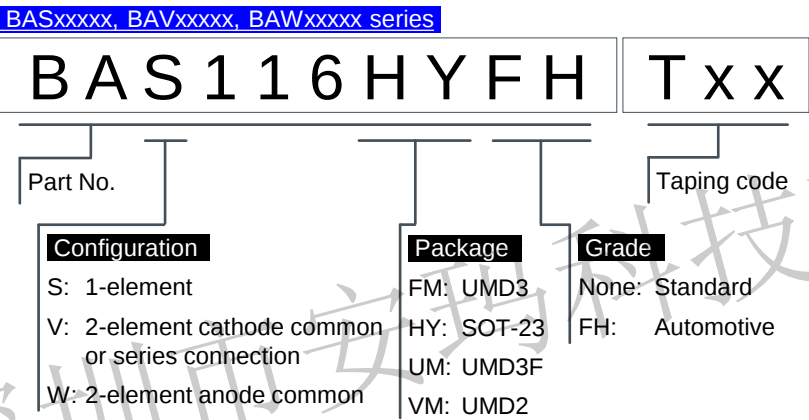
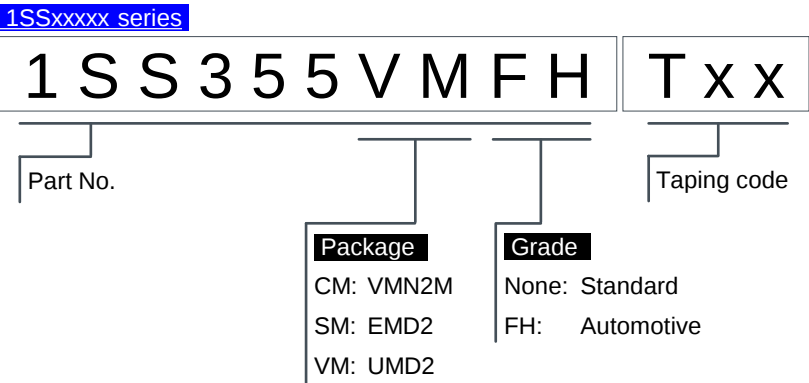
None: Standard

TF: Automotive

Taping code

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5. Switching Diodes (1)

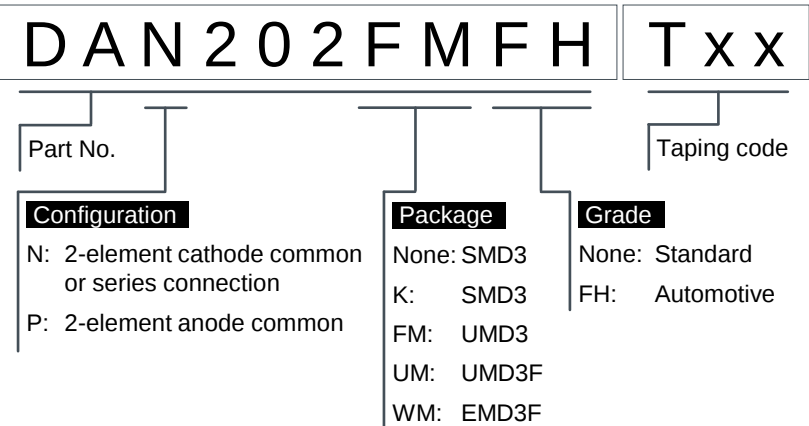


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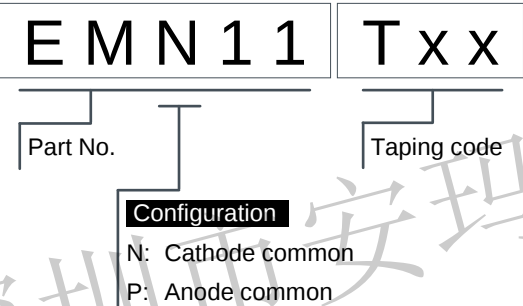
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5. Switching Diodes (2)

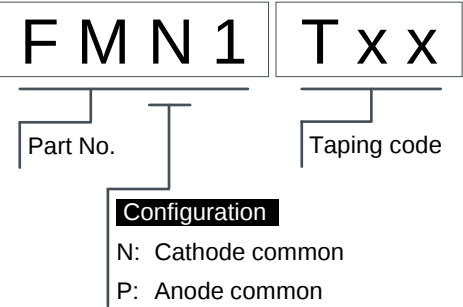
DANxxxxx, DAPxxxxx series



EMNxx, EMPxx series



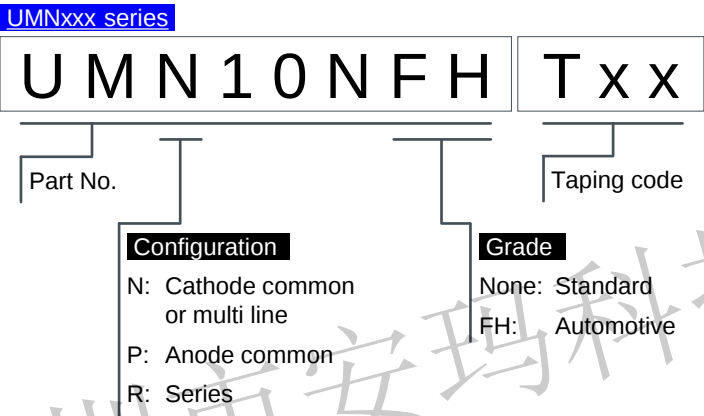
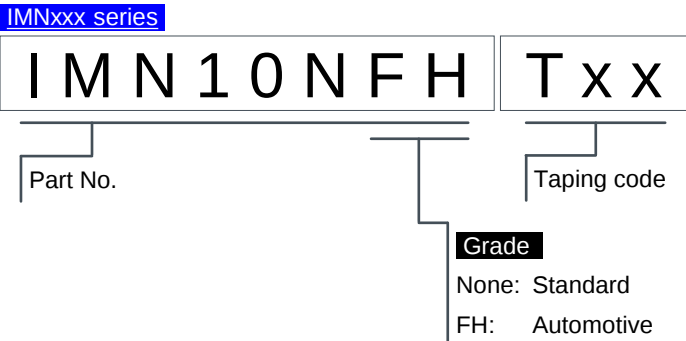
FMNxx, FMPxx series



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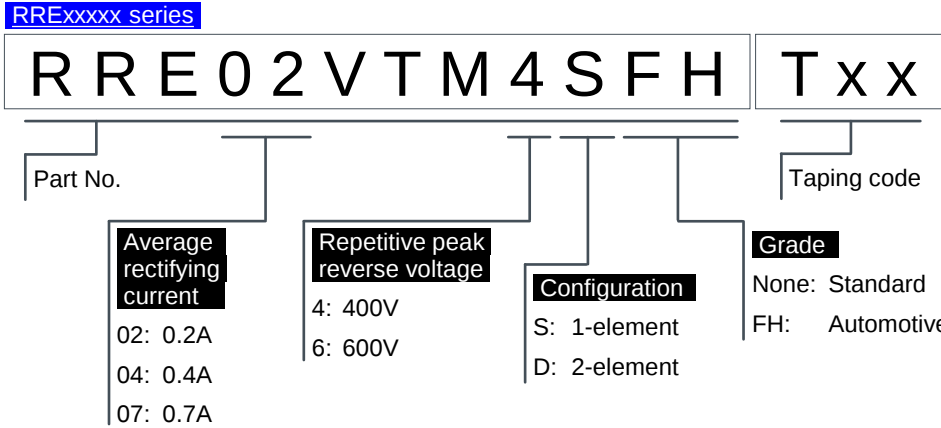
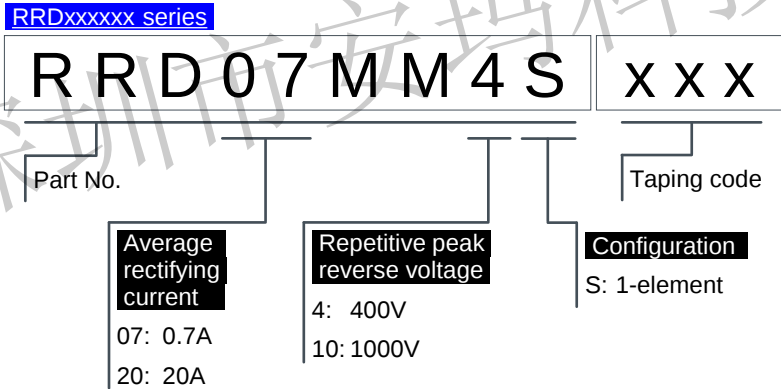
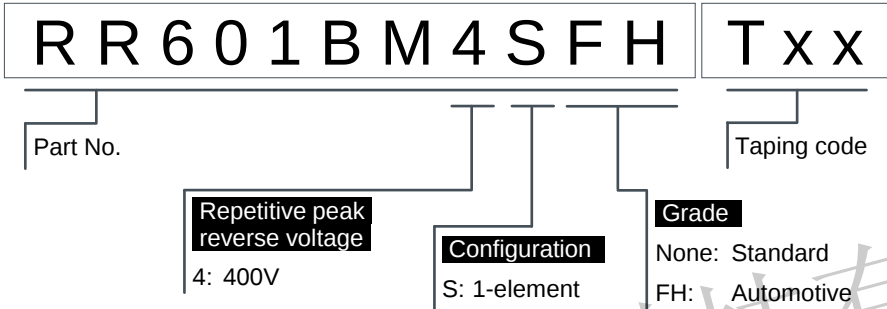
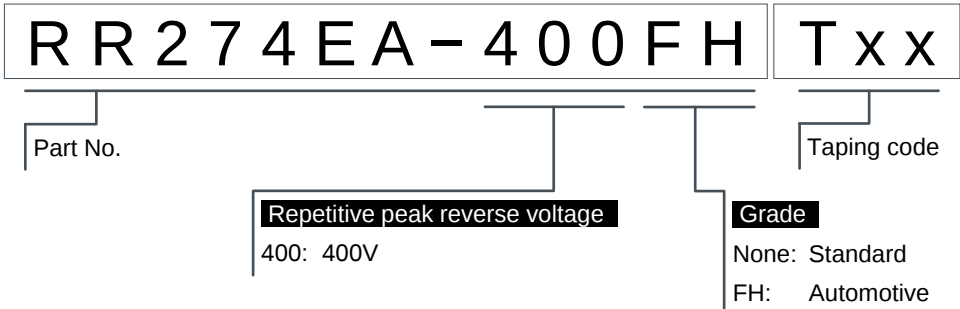
5. Switching Diodes (3)



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6. Rectifier Diodes

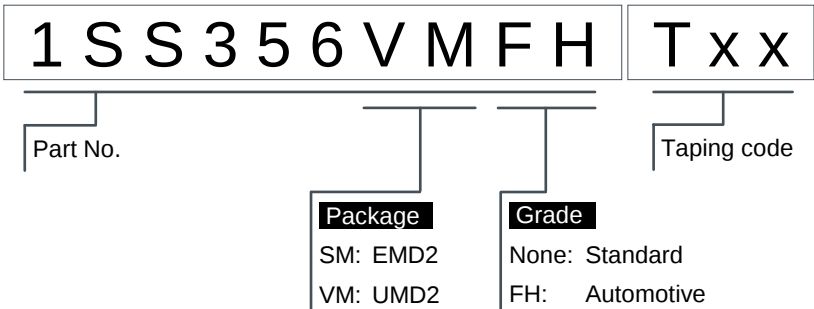


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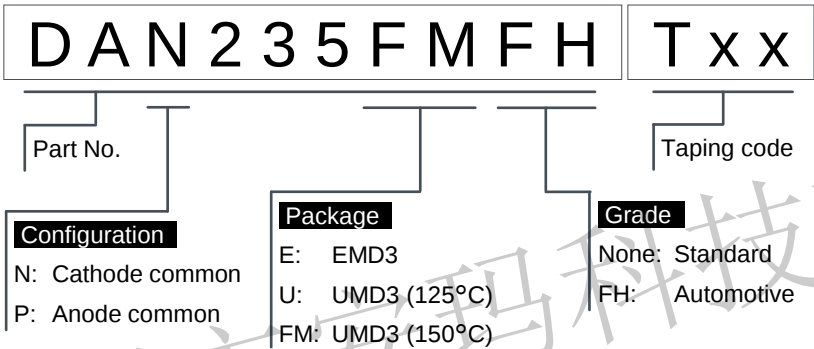
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7. Band Switching Diodes

1SSxxxx series



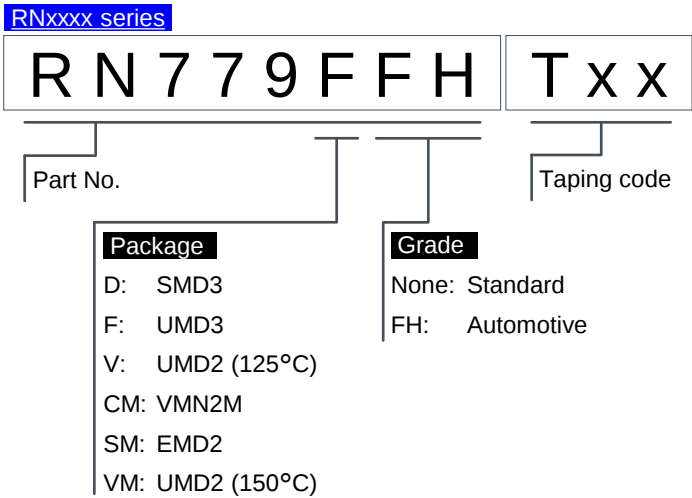
DANxxxx, DAPxxxx series



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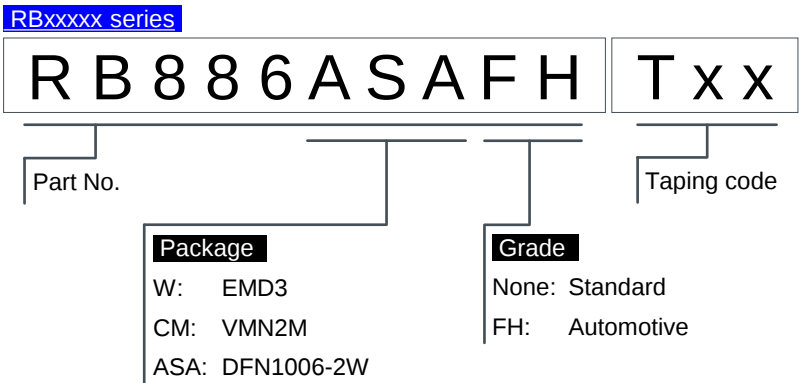
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8. PIN Diodes



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9. Detection Schottky Diodes



10. Taping Code

Package					Size (mm)	Height (mm)	Taping Code	Packing Specifications
	GENERAL Code	JEDEC Code	ROHM Package	JEITA Code				
Surface Mount type	DSN0402-2 [SOD-992]	—	(SMD0402) (SMD0402L)	—	0402	0.18 0.10	T27R T27N	Embossed tape
	DSN0603-2 [SOD-962]	—	(SMD0603) (SMD0603B)	—	0603	0.28	T15R	Embossed tape
	DSN1006-2 [SOD-993]	—	(SMD1006)	—	1006	0.22	T18R	Embossed tape
	DFN1006-2W [SOD-882]	—	(DFN1006-2W)	—	1006	0.4	T2RB	Embossed tape
	SOT-723	—	(VMD3)	SC-105AA	1212	0.5	T2L	Embossed tape
	SOD-923	—	(VMN2M)	SC-121	1006	0.37	T2R	Embossed tape
	SOD-523	—	(EMD2)	SC-79	1608	0.6	T2R T2N	Embossed tape
	SOT-416FL	—	(EMD3F)	SC-89	1616	0.7	TL	Embossed tape
	DSN2012-2	—	(SMD2012)	—	2012	0.3	T7R	Embossed tape
	SOD-323FL	—	(UMD2)	SC-90A	25125	0.7	TE-17	Embossed tape
	SOT-323	—	(UMD3)	SC-70	2120	0.9	T106	Embossed tape
	SOT-323FL	—	(UMD3F)	SC-85	2120	0.9	TL	Embossed tape
	SOT-23	—	(SSD3)	—	2429	0.95	T116	Embossed tape
	SOD-323HE	—	(TUMD2M) (TUMD2SM)	SC-108B	2514	0.6	TR	Embossed tape
	—	—	(PMDE)	—	2513	0.95	TR	Embossed tape
	SOT-457T	—	(TSMD6)	SC-74	2829	1.10	T108	Embossed tape
	SOD-123FL	—	(PMDU) (PMDUP)	SC-109B	3516	0.8	TR	Embossed tape
	SOD-128	—	(PMDTM) (PMDTP)	—	4725	0.95	TR	Embossed tape
	SMA	DO-214AC	(PMDS)	—	4526	2	TE25	Embossed tape
	SMB	DO-214AA	(SMBP)	—	5336	2.3	TBR1	Embossed tape
	—	TO-277A	(TO-277M) (TO-277GE)	—	6546	1.1	TL TL1	Embossed tape
	D-PAK	TO-252AA	(TO-252M) (TO-252GE)	SC-63	10066	2.3	TL	Embossed tape
	D2PAK	TO-263AB	(TO-263S) (TO-263L)	SC-83	131101 151101	4.5	TL	Embossed tape
Throuth Hole type	—	TO-220AB	(TO-220FN) <2pin> (TO-220FN) <3pin> (TO-220NFM)	—	29×10	4.5	C9	Tube
	—	TO-220AC	(TO-220ACFP) (TO-220AC)	—	28.56×10.2	4.5	C9	Tube
	—	TO-247-2L	(TO-247GE-2L)	—	41.0×15.9	5.0	C13	Tube

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