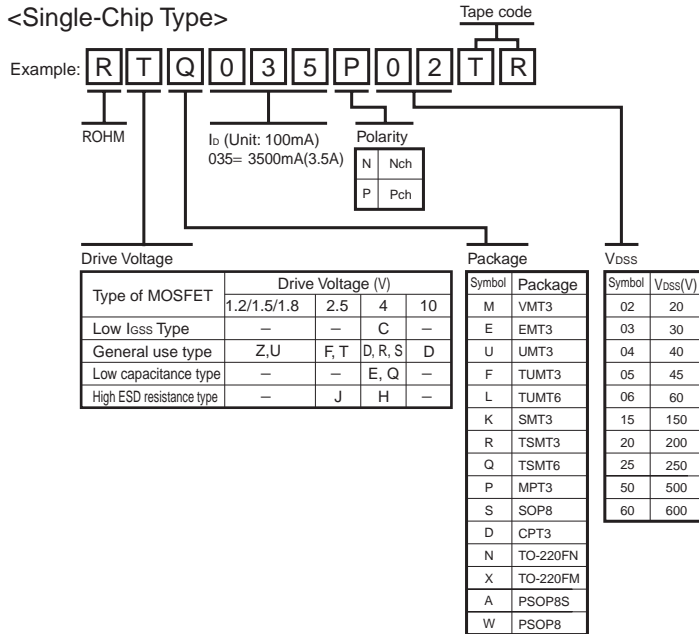


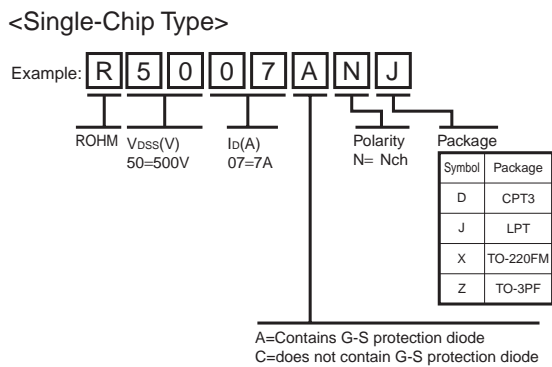
# Part No. Explanation

## • MOSFET Part No. Explanation

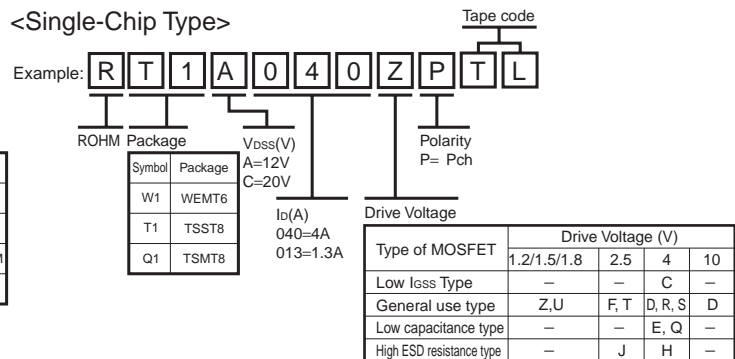
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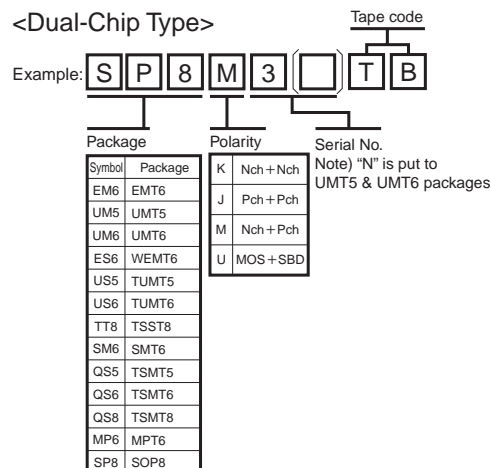
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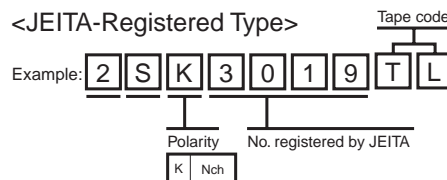
### <Single-Chip Type>



### <Dual-Chip Type>



### <JEITA-Registered Type>



• Bipolar Transistor Part No. Explanation

Part No.

Example: **2 S C 2 4 1 2 K T 1 4 6 R**

Package	Code	Packaging style	Direction	Basic ordering unit (pcs)
VMN3	T2L	Embossed tape	One terminal on sprocket hole side	8,000
VMT3	T2L	Embossed tape	One terminal on sprocket hole side	8,000
EMT3F	TL	Embossed tape	One terminal on sprocket hole side	3,000
EMT3	TL	Embossed tape	One terminal on sprocket hole side	3,000
EMT5	T2R	Embossed tape	Three terminals on sprocket hole side	8,000
EMT6	T2R	Embossed tape	Terminal No.1 on sprocket hole side	8,000
UMT3F	TL	Embossed tape	One terminal on sprocket hole side	3,000
UMT3	T106	Embossed tape	One terminal on sprocket hole side	3,000
UMT5	TR	Embossed tape	Three terminals on sprocket hole side	3,000
UMT6	TR	Embossed tape	Terminal No.1 on sprocket hole side	3,000
	TN	Embossed tape	Non-direction	3,000
TUMT3	TL	Embossed tape	One terminal on sprocket hole side	3,000
TUMT5	TR	Embossed tape	Terminal No.1 on sprocket hole side	3,000
TUMT6	TR	Embossed tape	Terminal No.1 on sprocket hole side	3,000
SST3	T116	Embossed tape	One terminal on sprocket hole side	3,000
SMT3	T146	Embossed tape	One terminal on sprocket hole side	3,000
SMT5	T148	Embossed tape	Three terminals on sprocket hole side	3,000
SMT6	T108	Embossed tape	Terminal No.1 on opposite side from sprocket hole side	3,000
	T110	Embossed tape	Non-direction	3,000
TSST8	TR	Embossed tape	Terminal No.1 on sprocket hole side	3,000
TSMT3	TL	Embossed tape	One terminal on sprocket hole side	3,000
TSMT5	TR	Embossed tape	Terminal No.1 on sprocket hole side	3,000
TSMT6	TR	Embossed tape	Terminal No.1 on sprocket hole side	3,000
TSMT8	TR	Embossed tape	Terminal No.1 on sprocket hole side	3,000
SOP8	TB	Embossed tape	Terminal No.1 on sprocket hole side	2,500
MPT3	T100	Embossed tape	Three terminals on sprocket hole side	1,000
MPT6	TR	Embossed tape	Terminal No.1 on sprocket hole side	1,000
CPT3	TL	Embossed tape	Fin on sprocket hole side	2,500
TCPT3	TL	Embossed tape	One terminal on sprocket hole side	2,500
LPTS	TL	Embossed tape	Fin on sprocket hole side	1,000
SPT	TP	Radial tape	Ammo Box	5,000
TO-92	T93	Radial tape	Ammo Box	3,000
ATV	TV2	Radial tape	Ammo Box	2,500
TO-220FN	-	bulk	Box	500
TO-220FM	-	bulk	Box	500

Code	hFE Range
A	16 to 32
B	25 to 50
C	60 to 120
D	100 to 200
E	160 to 320
M	39 to 82
N	56 to 120
P	82 to 180
Q	120 to 270
R	180 to 390
S	270 to 560
E	390 to 820
U	560 to 1200
V	820 to 1800
W	1200 to 2700

• Digital Transistor Part No. Explanation

Example :

**DT** Digital Transistor

1	General use
3	Muting
5	Low Vce(sat) 12V
7	Low Vce(sat) 30V

Exponent Specification

3	10 <sup>3</sup>
4	10 <sup>4</sup>
5	10 <sup>5</sup>

Exponent of R<sub>1</sub> resistance value

B	VMN3
M	VMT3
EB	EMT3F
E	EMT3
UB	UMT3F
U	UMT3
K	SMT3
P	MPT3

Package Tape code

**D T A 1 2 4 E K A T 1 4 6**

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

A	PNP
B	PNP
C	NPN
D	NPN

Polarity

1	1.0
2	2.2
4	4.7
6	6.8

Basic R<sub>1</sub> resistance value

E	R <sub>2</sub> /R <sub>1</sub> = 1/1
X	R <sub>2</sub> /R <sub>1</sub> = 2/1
Y	R <sub>2</sub> /R <sub>1</sub> = 5/1
Z	R <sub>2</sub> /R <sub>1</sub> = 10/1
J	R <sub>2</sub> /R <sub>1</sub> = 20/1
W	R <sub>2</sub> /R <sub>1</sub> = 1/2
V	R <sub>2</sub> /R <sub>1</sub> = 1/5
T	R <sub>1</sub> only
G	R <sub>2</sub> only

Resistance Ratio R<sub>2</sub>/R<sub>1</sub>

Suffix (except VMN3, VMT3, EMT3F, EMT3, UMT3F)

Note: ④ and ⑤ together represent the R<sub>1</sub> resistance value

Example

24	2.2 × 10 <sup>4</sup>	W = 22kW
43	4.7 × 10 <sup>3</sup>	W = 4.7kW

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