

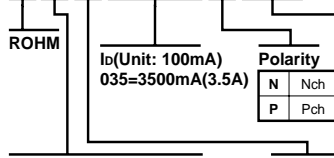
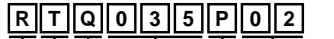
Transistor

Part No. Explanation

• MOSFET Part No. Explanation

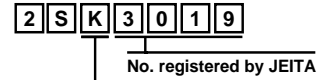
<Single-Chip Type>

Example :



<JEITA-Registered Type>

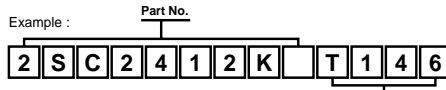
Example :



Drive Voltage		Package		V _{oss}	
Type of MOSFET	Drive voltage	Symbol	Package	Symbol	V _{oss} (V)
	1.8 2.5 4 10				
Low loss type	- - C -	M	VMT3	02	20
General use type	U F T D S D	E	EMT3	03	30
Low capacitance type	- - E Q -	U	UMT3	05	45
High ESD resistance type	- - J H -	F	TUMT3	06	60
		L	TUMT6	15	150
		K	SMT3	20	200
		R	TSMT3	25	250
		Q	TSMT6	50	500
		P	MPT3	60	600
		S	SOP8		
		D	CPT3		
		N	TO-220FN		
		X	TO-220FM		
		A	PSOP8S		

• Bipolar Transistor Part No. Explanation

Example :

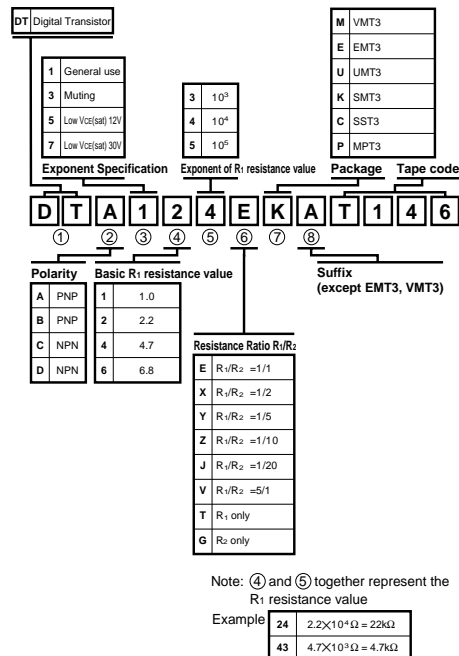


Packaging type				Basic ordering unit (pcs)
Package	Code	Packaging style	Direction	
VMT3	T2L	Embossed tape	One terminal on sprocket hole side	8000
EMT3	TL	Embossed tape	One terminal on sprocket hole side	3000
EMT5	T2R	Embossed tape	Three terminals on sprocket hole side	8000
EMT6	T2R	Embossed tape	Terminal No.1 on sprocket hole side	8000
UMT3	T106	Embossed tape	One terminal on sprocket hole side	3000
UMT5	TR	Embossed tape	Three terminals on sprocket hole side	3000
UMT6	TR	Embossed tape	Terminal No.1 on sprocket hole side	3000
TUMT3	TL	Embossed tape	Non-direction	3000
TUMT5	TR	Embossed tape	One terminal on sprocket hole side	3000
TUMT6	TR	Embossed tape	Terminal No.1 on sprocket hole side	3000
SMT3	T146	Embossed tape	One terminal on sprocket hole side	3000
SMT5	T148	Embossed tape	Three terminals on sprocket hole side	3000
SMT6	T108	Embossed tape	Terminal No.1 on opposite side from sprocket hole side	3000
	T110	Embossed tape	Non-direction	3000
TSMT3	TL	Embossed tape	One terminal on sprocket hole side	3000
TSMT5	TR	Embossed tape	Terminal No.1 on sprocket hole side	3000
TSMT6	TR	Embossed tape	Terminal No.1 on sprocket hole side	3000
SOP8	TB	Embossed tape	Terminal No.1 on sprocket hole side	2500
PSOP8	TB	Embossed tape	Terminal No.1 on sprocket hole side	2500
PSOP8S	TB	Embossed tape	Terminal No.1 on sprocket hole side	2500
SST3	T116	Embossed tape	One terminal on sprocket hole side	3000
MPT3	T100	Embossed tape	Three terminals on sprocket hole side	1000
CPT3	TL	Embossed tape	Fin on sprocket hole side	2500
LPTS	TL	Embossed tape	Fin on sprocket hole side	1000
SPT	TP	Radial tape	Ammo Box	5000
TO-92	T93	Radial tape	Ammo Box	3000
ATV	TV2	Radial tape	Ammo Box	2500
TO-220FN	-	bulk	Box	500
TO-220FM	-	bulk	Box	500

hFE Ranking code	
Code	hFE Range
A	16 to 32
B	25 to 50
D	60 to 120
E	100 to 200
F	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 :



Note: ④ and ⑤ together represent the R₁ resistance value

Example

24	2.2×10 ⁴ Ω = 22kΩ
43	4.7×10 ³ Ω = 4.7kΩ

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