

Quality • Reliability
Cost-Down via Technology

■ PART NUMBER CONSTRUCTION FOR M, MM, MM(P), MMP, MP, PMA, SFP AND SM SERIES:

Example: MM204F162R TKR TR3K0

MM204	F	162R	TKR	TR3K0
MM204	1%	162Ω	50ppm	Tape Reel 3,000 pieces per reel
Type	Tolerance*	Resistance	TCR	Packaging**
Type name seen in the datasheet	B (0.1%) C (0.25%) D (0.5%) F (1%) G (2%) J (5%)	4-character code containing - 3 significant digits 1 letter multiplier <u>MULTIPLIER</u> R = 1 K = 10 ³ M = 10 ⁶ G = 10 ⁹	3-character code Insert the corresponding code for the temperature coefficient available for the specific product. Please see the TCR letter code table below in section (4)*.	5-character code TB = Tape Box TR = Tape Reel BK = Bulk*** 500 = 500 1K0 = 1,000 2K0 = 2,000 2K5 = 2,500 3K0 = 3,000 5K0 = 5,000 6K0 = 6,000 10K = 10,000

* May not be applicable to all product types or to all resistance values. Please check with us before placing order.

** Actual packaging varies by types. Please refer to the individual datasheet or check with us.

*** Quantities for bulk packaging vary by types. Please check with us.

■ PART NUMBER CONSTRUCTION FOR ALL OTHER SERIES:

Example: EFP101J1K00TKZTR2K0

EFP101	J	1K00	TKZ	TR2K0
EFP101	5%	1kΩ	Typical product temperature coefficient	Tape Reel 2,000 pieces per reel
Type	Tolerance*	Resistance	TCR	Packaging**
Type name seen in the datasheet	D (0.5%) F (1%) G (2%) J (5%) K (10%) M (20%)	4-character code containing - 3 significant digits 1 letter multiplier <u>MULTIPLIER</u> R = 1 K = 10 ³ M = 10 ⁶ G = 10 ⁹	3-character code TKZ = Default Product Temperature Coefficient. Information of typical product temperature coefficient can be found in the technical summary of individual product datasheets. For availabilities of non-default temperature coefficient, please check with us. For reference on code letters, please see the TCR letter code table below in section (4)*.	5-character code TB = Tape Box TR = Tape Reel BK = Bulk*** 100 = 100 150 = 150 400 = 400 500 = 500 1K0 = 1,000 2K0 = 2,000 2K5 = 2,500 3K0 = 3,000 5K0 = 5,000 6K0 = 6,000 10K = 10,000

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** Actual packaging varies by types. Please refer to the individual datasheets or check with us.

*** Quantities for bulk packaging vary by types. Please check with us.

■ EXAMPLES OF RESISTANCE VALUE CODE MARKING

4-character code containing 3 significant digits and 1 letter multiplier

Resistance	Value	Code	Resistance	Value	Code
0.1	Ω	R100	10	KΩ	10K0
0.365	Ω	R365	36.5	KΩ	36K5
0.68	Ω	R680	68	KΩ	68K0
0.909	Ω	R909	90.9	KΩ	90K9
1	Ω	1R00	100	KΩ	100K
3.65	Ω	3R65	365	KΩ	365K
6.8	Ω	6R80	680	KΩ	680K
9.09	Ω	9R09	909	KΩ	909K
10	Ω	10R0	1	MΩ	1M00
36.5	Ω	36R5	3.65	MΩ	3M65
68	Ω	68R0	6.8	MΩ	6M80
90.9	Ω	90R9	9.09	MΩ	9M09
100	Ω	100R	10	MΩ	10M0
365	Ω	365R	36.5	MΩ	36M5
680	Ω	680R	68	MΩ	68M0
909	Ω	909R	90.9	MΩ	90M9
1	KΩ	1K00	100	MΩ	100M
3.65	KΩ	3K65	365	MΩ	365M
6.8	KΩ	6K80	680	MΩ	680M
9.09	KΩ	9K09	909	MΩ	909M
			1	GΩ	1G00

■ LETTER CODE FOR TEMPERATURE COEFFICIENT OF RESISTANCE (TCR)

TCR 10 ⁻⁶ /K		Code Letter
*	TK	Z
±2500	TK	Y
±1500	TK	X
±1000	TK	W
±900	TK	9
±800	TK	8
±700	TK	7
±600	TK	6
±500	TK	V
±400	TK	4
±300	TK	3
±250	TK	U
±200	TK	2
±150	TK	T
±100	TK	S
±50	TK	R
±25	TK	Q
±15	TK	P
±10	TK	N
±5	TK	M

* Refer to the technical summary in the individual datasheets for product temperature coefficient.