

Metal thin film chip resistor networks

RM series

AEC-Q200 Compliant

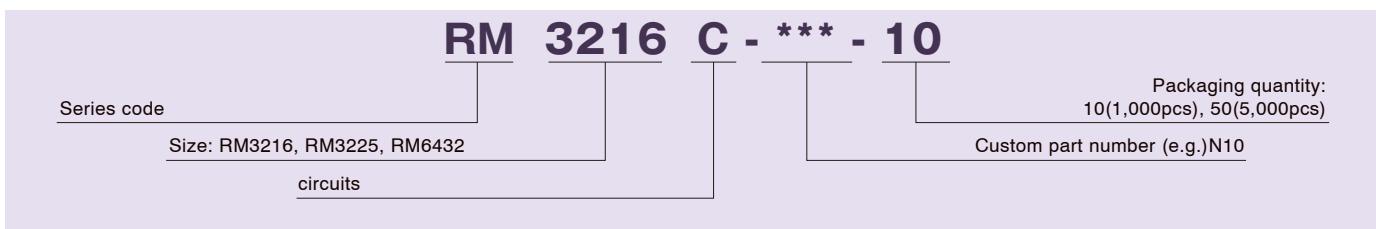
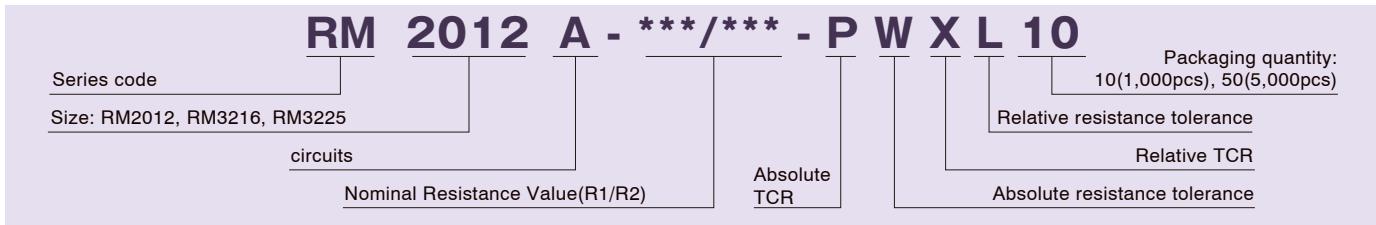
Features

- Relative resistance tolerance and relative TCR definable among multiple resistors within package.
- Relative resistance tolerance: $\pm 0.01\%$, relative TCR: $\pm 1\text{ppm}/^\circ\text{C}$
- Number of resistors in package: 2 or higher, standard and custom circuits designs available
- RG series equivalent reliability and long term stability: less than $\pm 0.1\%$ drift after 10000 hour stress test.
- RoHS compliant, 100% lead free

Applications

- Precision measurement instrumentation, medical electronics, automotive electronics
- Voltage divider and amplification circuits that require very precise relative resistance tolerance and TCR
- Multi step precision amplification circuits for minute signals

◆Part numbering system



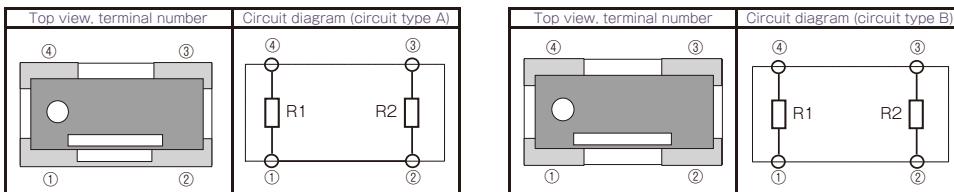
- Please contact our sales office regarding custom products including resistance, resistance combination, number of elements, circuit, and others.
- Standard quantity / reel is 1000 and 5000. Please contact our sales office for custom product's quantity / reel.
- Standard resistance value pairings are shown as below
(Standard products are 2element circuit typeA & typeB only.)

◆Standard resistance value pairings

Ratio	R1 (Ω)	R2 (Ω)	Ratio	R1 (Ω)	R2 (Ω)	Ratio	R1 (Ω)	R2 (Ω)	Ratio	R1 (Ω)	R2 (Ω)	Ratio	R1 (Ω)	R2 (Ω)
1 : 1	1k	1k	1 : 3	1k	3k	1 : 5	1k	5k	1 : 9	1k	9k	1 : 20	1k	20k
	10k	10k		10k	30k		2k	10k		10k	90k		2k	40k
	100k	100k		100k	300k		10k	50k		1k	10k		5k	100k
1 : 2	1k	2k	1 : 4	1k	4k	1 : 6	1k	6k	1 : 10	2k	20k	1 : 25	1k	25k
	10k	20k		10k	40k		10k	60k		10k	100k		2k	50k
	100k	200k												

◆Electrical Specification

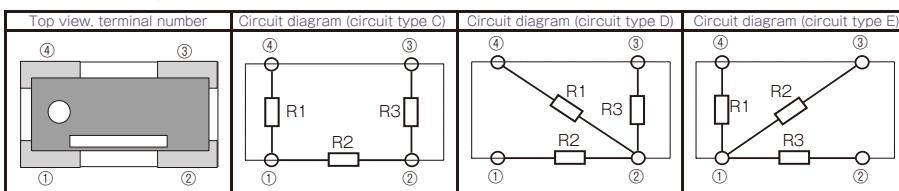
○ 4 terminal, 2 element



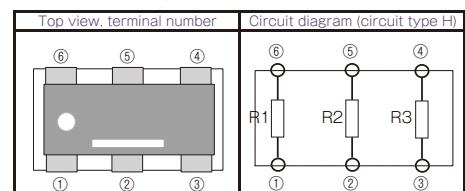
Type	Power ratings (85°C)	Resistance range (Ω)	Resistance tolerance (Code)				Temperature coefficient of resistance (Code)				Pakaging quantity (designation)	
			Absolute tolerance	Tolerance ratio *1			Absolute TCR	TCR tracking *1				
				Resistance ratio = 1	1 < Resistance ratio ≤ 100	100 < Resistance ratio ≤ 500		Resistance ratio = 1	1 < Resistance ratio ≤ 100	100 < Resistance ratio ≤ 500		
RM2012	0.05W / Element 0.1W / Package	100 ~<300	±0.1%(B) ±0.5%(D)	±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	-	Thin film surface mount resistors RM series tape & reel (T&R) 10=1,000pcs 50=5,000pcs	
		300 ~ 100k	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)		
RM3216	0.063W / Element 0.125W / Package	100 ~<300	±0.1%(B) ±0.5%(D)	±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	-	10=1,000pcs 50=5,000pcs	
		300 ~ 500k	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)		
RM3225	0.1W / Element 0.2W / Package	100 ~<300	±0.1%(B) ±0.5%(D)	±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	-		
		300 ~ 500k	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)		

*1 Contact us for detailed information on relative tolerance and TCR.

○ 4 terminal, 3 element



○ 6 terminal, 3 element



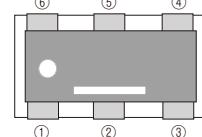
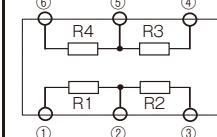
Type	Power rating (85°C)	Resistance range (Ω)	Resistance tolerance (Code)				Temperature coefficient of resistance (Code)				Pakaging quantity (designation)	
			Absolute tolerance	Tolerance ratio *1			Absolute TCR	TCR tracking *1				
				Resistance ratio = 1	1 < Resistance ratio ≤ 100	100 < Resistance ratio ≤ 500		Resistance ratio = 1	1 < Resistance ratio ≤ 100	100 < Resistance ratio ≤ 500		
RM3216	0.042W / Element 0.125W / Package	100 ~<300	±0.1%(B) ±0.5%(D)	±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	-	tape & reel (T&R) 10=1,000pcs 50=5,000pcs	
		300 ~ 100k	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)		
RM3225	0.066W / Element 0.2W / Package	100 ~<300	±0.1%(B) ±0.5%(D)	±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	-	10=1,000pcs 50=5,000pcs	
		300 ~ 100k	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)		

*1 Contact us for detailed information on relative tolerance and TCR.

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■ RM series

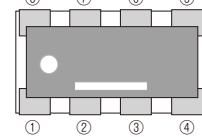
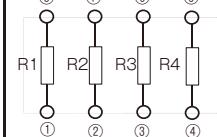
○ 6 terminal, 4 element

Top view, terminal number		Circuit diagram (circuit type I)	
			

Type	Power ratings (85°C)	Resistance range (Ω)	Absolute tolerance	Resistance tolerance (Code)			Temperature coefficient of resistance (Code)			Pakaging quantity (designation)	
				Tolerance ratio *1			Absolute TCR	TCR tracking *1			
				Resistance ratio = 1	1 < Resistance ratio ≤ 100	100 < Resistance ratio ≤ 500		Resistance ratio = 1	1 < Resistance ratio ≤ 100	100 < Resistance ratio ≤ 500	
RM3216	0.032W / Element 0.125W / Package	100 ~ <300	±0.1%(B) ±0.5%(D)	±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	-	tape & reel (T&R) 10=1,000pcs 50=5,000pcs
		300 ~ 100k	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	
RM3225	0.05W / Element 0.2W / Package	100 ~ <300	±0.1%(B) ±0.5%(D)	±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	-	10=1,000pcs 50=5,000pcs
		300 ~ 100k	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	

*1 Contact us for detailed information on relative tolerance and TCR.

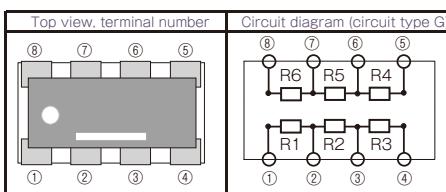
○ 8 terminal, 4 element

Top view, terminal number		Circuit diagram (circuit type F)	
			

Type	Power ratings (85°C)	Resistance range (Ω)	Absolute tolerance	Resistance tolerance (Code)			Temperature coefficient of resistance (Code)			Pakaging quantity (designation)	
				Tolerance ratio *1			Absolute TCR	TCR tracking *1			
				Resistance ratio = 1	1 < Resistance ratio ≤ 100	100 < Resistance ratio ≤ 500		Resistance ratio = 1	1 < Resistance ratio ≤ 100		
RM3216	0.032W / Element 0.125W / Package	100 ~ <300	±0.1%(B) ±0.5%(D)	±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	-	tape & reel (T&R) 10=1,000pcs 50=5,000pcs
		300 ~ 100k	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	
RM3225	0.05W / Element 0.2W / Package	100 ~ <300	±0.1%(B) ±0.5%(D)	±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	-	10=1,000pcs 50=5,000pcs
		300 ~ 100k	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	
RM6432	0.1W / Element 0.4W / Package	100 ~ <300	±0.1%(B) ±0.5%(D)	±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	-	tape & reel (T&R) 10=1,000pcs 40=4,000pcs
		300 ~ 1M	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	

*1 Contact us for detailed information on relative tolerance and TCR.

○ 8 terminal, 6 element

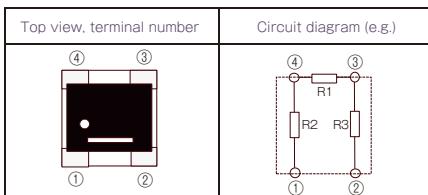


Type	Power ratings (85°C)	Resistance range (Ω)	Resistance tolerance (Code)				Temperature coefficient of resistance (Code)				Pakaging quantity (designation)	
			Absolute tolerance	Tolerance ratio *1			Absolute TCR	TCR tracking *1				
				Resistance ratio = 1	1 < Resistance ratio ≤ 100	100 < Resistance ratio ≤ 500		Resistance ratio = 1	1 < Resistance ratio ≤ 100	100 < Resistance ratio ≤ 500		
RM3216	0.021W / Element 0.125W / Package	100 ~ <300	±0.1%(B) ±0.5%(D)	±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	-	tape & reel (T&R) 10=1,000pcs 50=5,000pcs	
		300 ~ 100k	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.02%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)		
RM3225	0.033W / Element 0.2W / Package	100 ~ <300	±0.1%(B) ±0.5%(D)	±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	-	tape & reel (T&R) 10=1,000pcs 50=5,000pcs	
		300 ~ 100k	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.02%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)		
RM6432	0.066W / Element 0.4W / Package	100 ~ <300	±0.1%(B) ±0.5%(D)	±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	-	±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)	-	tape & reel (T&R) 10=1,000pcs 50=5,000pcs	
		300 ~ 1M	±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.01%(L) ±0.02%(P) ±0.05%(W) ±0.1%(B) ±0.5%(D)	±0.02%(W) ±0.1%(B) ±0.5%(D)	±0.05%(W) ±0.1%(B) ±0.5%(D)	±5ppm/°C(V) ±10ppm/°C(N) ±25ppm/°C(P)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±1ppm/°C(X) ±2ppm/°C(W) ±5ppm/°C(V)	±2ppm/°C(W) ±5ppm/°C(V)		

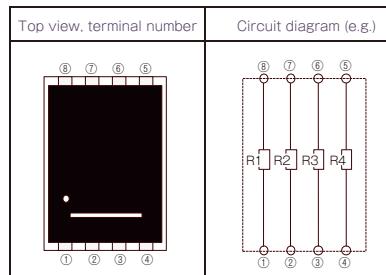
*1 Contact us for detailed information on relative tolerance and TCR.

○ Some examples of custom RM series

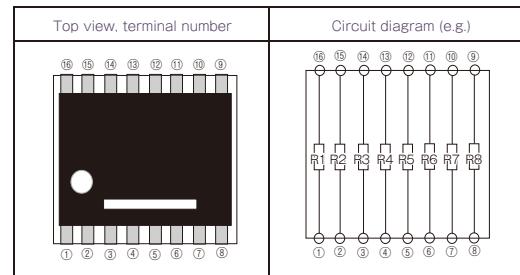
RM2525(2.5mm×2.5mm)



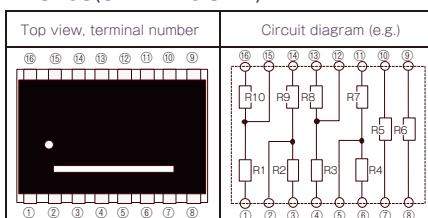
RM5882(5.8mm×8.2mm)



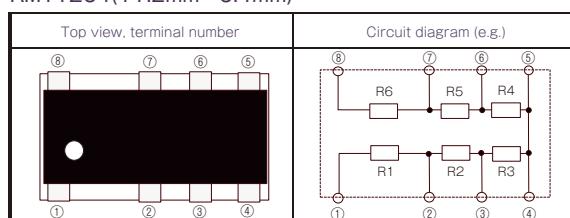
RM10280(10.2mm×7.2mm)



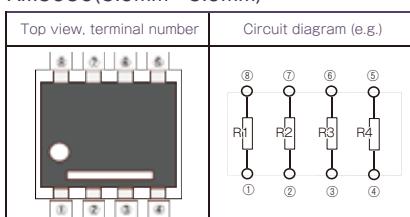
RM8258(8.2mm×5.8mm)



RM11264(11.2mm×6.4mm)



RM5050(5.0mm×5.0mm)



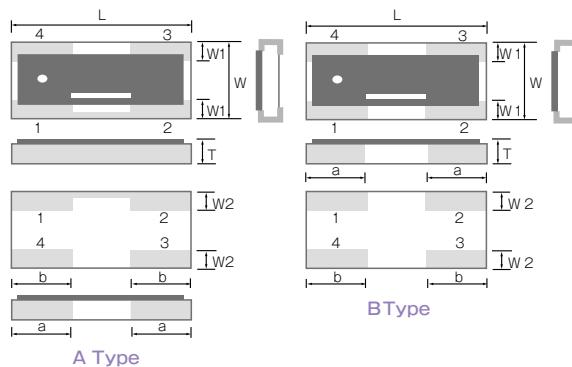
Thin film surface mount resistors
RM series

Metal thin film chip resistor networks

■ RM series

◆ Dimensions

Thin film surface mount resistors

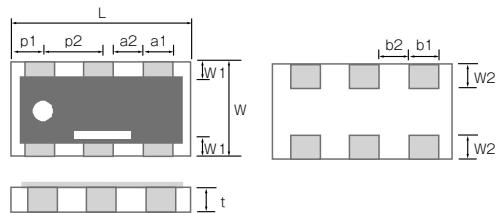


RM series

4 terminal

Type	Size (inch)	L	W	t	a	b	W1	W2
RM2012	0805	2.00±0.20	1.25±0.20	0.45±0.10	0.50±0.20	0.60±0.20	0.40±0.20	0.35±0.20
RM3216	1206	3.20±0.20	1.60±0.20	0.45±0.10	1.00±0.25	1.00±0.20	0.40±0.25	0.40±0.20
RM3225	1209	3.20±0.20	2.50±0.20	0.45±0.10	1.00±0.25	1.00±0.20	0.40±0.25	0.60±0.20

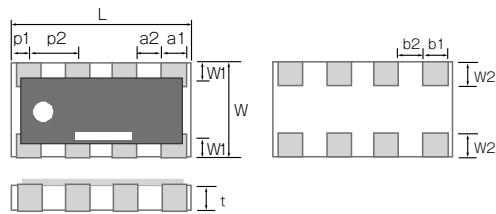
(unit : mm)



6 terminal

Type	Size (inch)	L	W	t	a1	a2	b1	b2	p1	p2	W1	W2
RM3216	1206	3.20±0.20	1.60±0.20	0.45±0.10	0.50±0.20	0.45±0.20	0.50±0.20	0.45±0.20	0.63±0.20	0.95±0.10	0.23±0.20	0.40±0.20
RM3225	1209	3.20±0.20	2.50±0.20	0.45±0.10	0.50±0.10	0.45±0.10	0.50±0.10	0.45±0.10	0.63±0.20	0.95±0.10	0.30±0.20	0.50±0.20

(unit : mm)



8 terminal

Type	Size (inch)	L	W	t	a1	a2	b1	b2	p1	p2	W1	W2
RM3216	1206	3.20±0.20	1.60±0.20	0.45±0.10	0.40±0.20	0.40±0.20	0.40±0.20	0.40±0.20	0.40±0.20	0.80±0.10	0.30±0.20	0.40±0.20
RM3225	1209	3.20±0.20	2.50±0.20	0.45±0.10	0.40 +0.20/-0.10	0.40 +0.10/-0.20	0.40 +0.10/-0.20	0.40 +0.10/-0.20	0.40±0.20	0.80±0.10	0.30±0.20	0.40±0.20
RM6432	2512	6.40±0.20	3.20±0.20	0.50±0.10	0.66 +0.20/-0.10	0.94 +0.10/-0.20	0.66 +0.20/-0.10	0.94 +0.10/-0.20	0.80±0.20	1.60±0.10	0.50±0.20	0.60±0.10

(unit : mm)

◆Reliability specification

Test items	Condition (test methods (MIL-PRF-55342/JIS C5201-1)	Standard	
		Absolute tolerance	Relative tolerance
Short time overload	2.5 x rated voltage, ^{*1} 5seconds	±(0.05%+0.01Ω)	±0.02%
Life (biased)	85°C, rated voltage, ^{*1} 90min on 30min off, 1000hours	±(0.05%+0.01Ω)	±0.02%
High temperature high humidity	85°C, 85%RH, 1/10 of rated power, 90min on 30min off, 1000hours	±(0.05%+0.01Ω)	±0.02%
Temperature shock	-55°C (38min) ~ 125°C (30min) 1000cycles ^{*2}	±(0.05%+0.01Ω)	±0.02%
High temperature exposure	155°C, no bias, 100hours	±(0.05%+0.01Ω)	±0.02%
Resistance to soldering heat	260±5°C, 10 seconds (reflow)	±(0.05%+0.01Ω)	±0.02%

*1 Rated voltage is given by $E=\sqrt{R \times P}$

E= rated voltage (V), R=nominal resistance value(Ω), P=rated power(W)

If rated voltage exceeds maximum voltage /element, maximum voltage/element is the rated voltage.

*2 Based on the tests done on RM316.RM3225.

Please contact our sales office for other or custom dimensional products

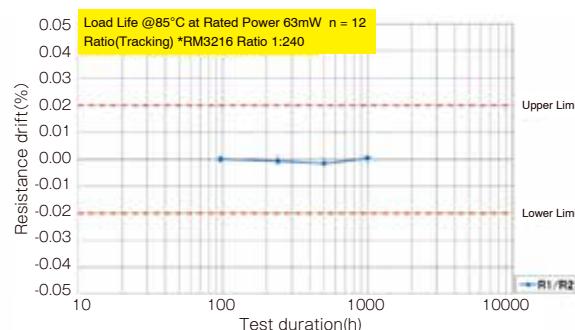
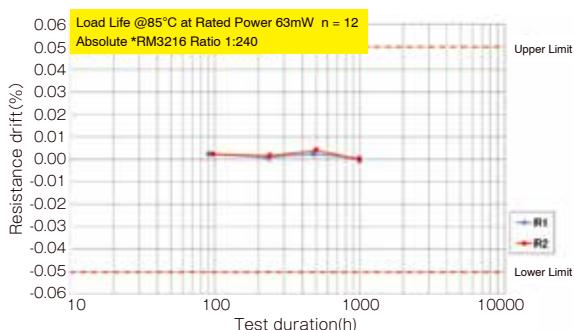
Metal thin film chip resistor networks

■ RM series

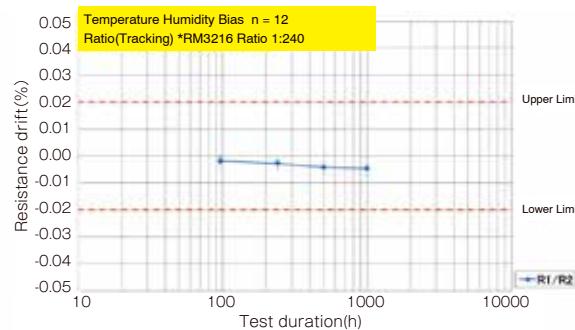
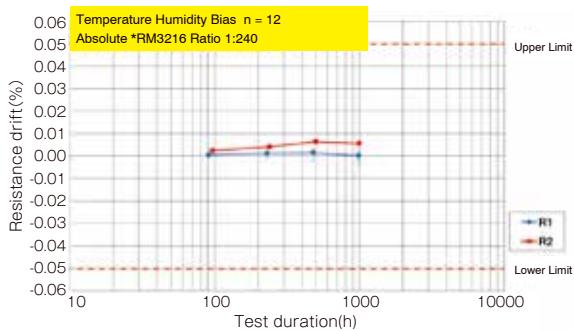
◆ Reliability test data

 Thin film surface mount resistors
 RM series

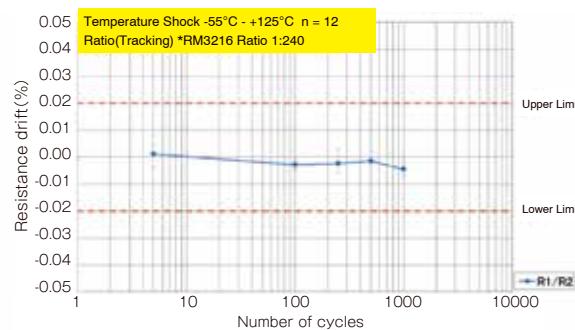
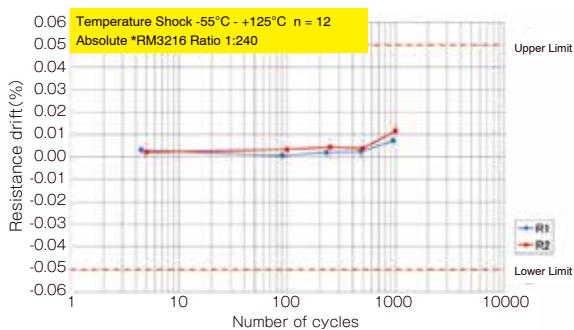
○ Load life with rated power @85°C



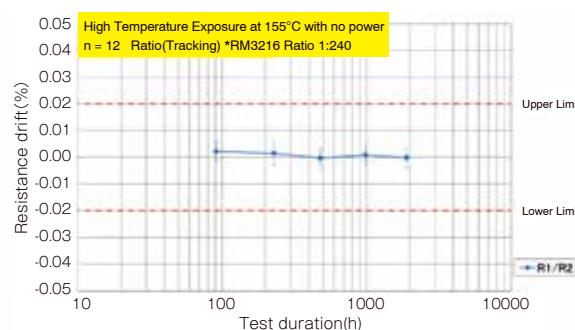
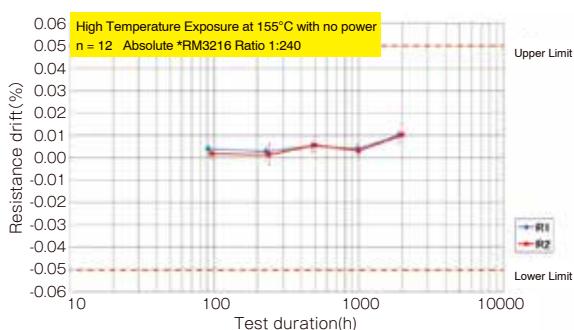
○ High temperature high humidity (biased)



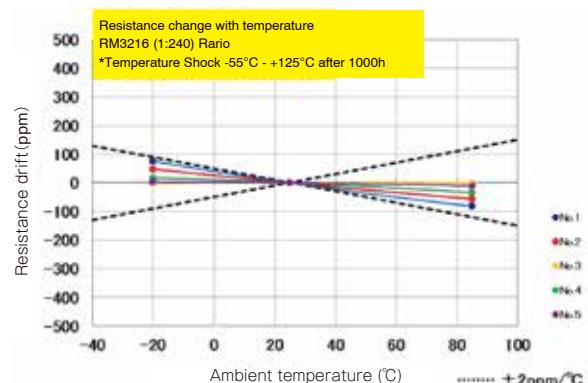
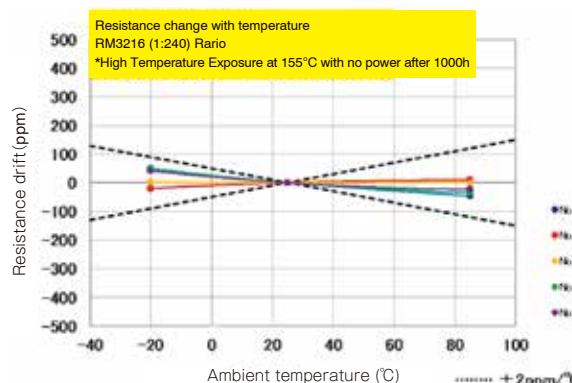
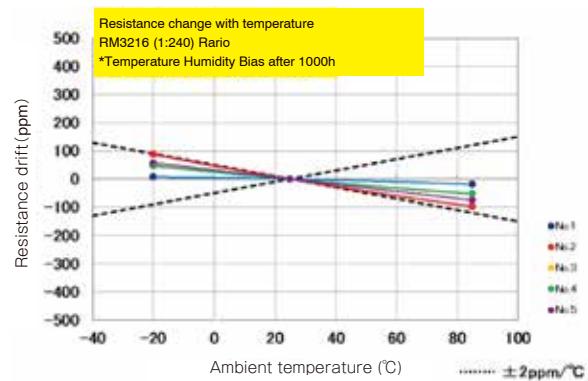
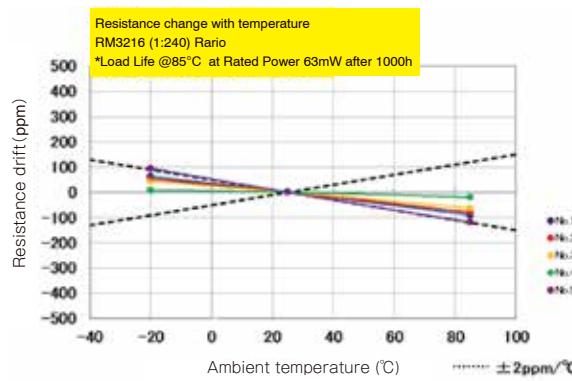
○ Temperature shock



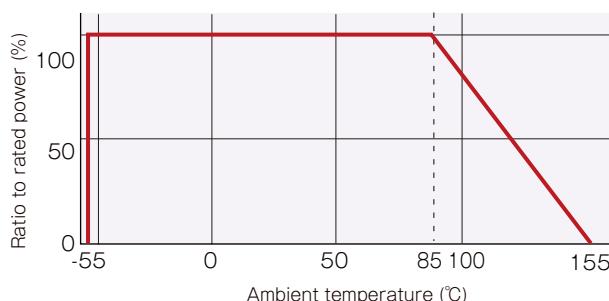
○ High temperature exposure (155°C)



◆ TCR linearity



◆ Derating Curve



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