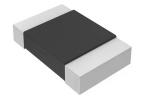


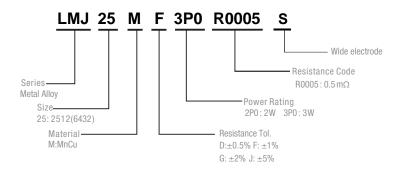




- Proprietary processing technique produces extremely low resistance values
- Very low inductance
- Low thermal EMF
- Metallic Material



Part Numbering System



Cton dond

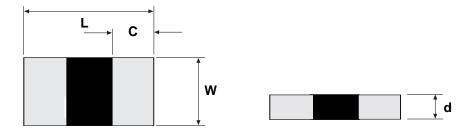
Parameter	Standard
Power Rating	2~3W
Resistance Value	0.5~0.75mΩ
Operating Temperature Range	-55 to +170°C
Component Temperature Coefficient (TCR)	±50 ppm/°C
Maximum Working Voltage (V)	(P x R) ^{1/2}

Standard Electrical Specifications

Туре	Rating Power at 70℃	T.C.R. (ppm/°ℂ)	Resistance Range(m Ω) $\pm 0.5\%$ (D) $\pm 1.0\%$ (F) $\pm 2.0\%$ (G) $\pm 5.0\%$ (J)	Meterial	Electrode	Operating Temperature(℃)
LMJ25	3W	50	0.5	Mac	Wide	-55~+170°C
LIVIJZJ	2W	50	0.75	MnCu	Wide	00 1170 0



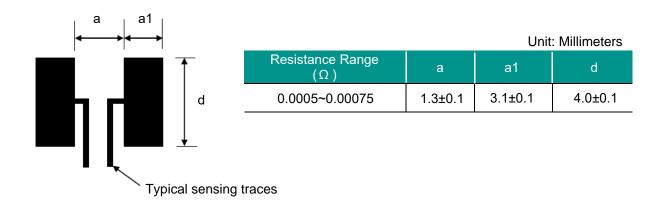
Construction



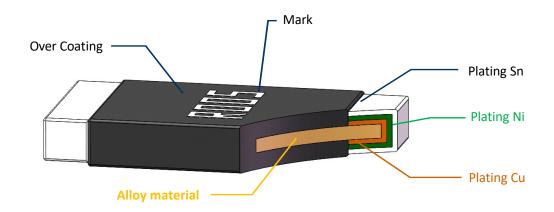
Unit: Millimeters

Style	Resistance (Ω)	L	W	С	d	Material
LMJ25	0.0005	6.4±0.2	3.2±0.2	2.5±0.2	0.9 ±0.20	
	0.00075	6.4±0.2	3.2±0.2	2.75±0.2	0.9 ±0.20	MnCu

Recommended land pattern



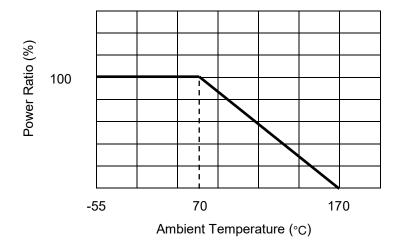
Product structure diagram



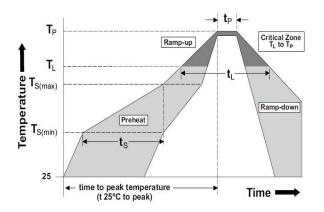


Power Derating Curve

For resistors operated in ambient temperatures 70°C, power rating shall be derated inaccording with the curve below:



Recommended Solder Curve



Reflow Cond	lition	3E ±)UHH DVVHPEO\
	- Temperature Min (Ts(min))	f &
Pre heat	- Temperature Max (Ts(max))	f &
	- Time (Min to Max) (ts)	± VHFV
	Average ramp up rate uidus Temp (TL) to peak	f & VHFRQG PD[
TS(r	max) to TL - Ramp-up Rate	f & VHFRQG PD[
Reflow	- Temperature (TL) (Liquidus)	f &
	- Temperature (tL)	± VHFRQGV
ı	Peak Temperature (TP)	f &
Time within 5	°C of actual peak Temperature (tp)	± VHFRQGV
	Ramp-down Rate	f & VHFRQG PD[
Time 2	5°C to peak Temperature (TP)	PLQXWHV0D[
	Wave Soldering	f & VHFRQGVPD[
	Hand Soldering	f & VHFRQGVPD[

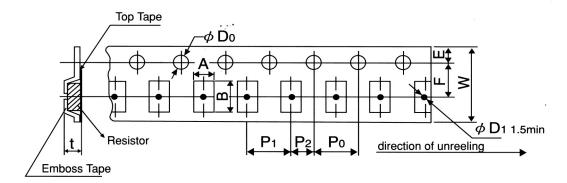


Product Characteristics

, W H P	7HVW FRQGLWLRQ 0H			
5 H V L V W D Q	eff C oHD∧X∩rØ1 nH∧r∧MDØŁH ADOX	H BWIHB 80/R1	₩НРЅНUDWX 6\$(№F	UF
7HPSHUDWXUF RIUHVLVW	7&5 5557 7; 5 UHYLVWYD RWHHPSHUDW XUH 5 UHV LVW D QFCH 7 5 R RW HPSHUDW XUH 7 7 HPSHUDWW XU°CH	5HIHU WR	6 S # # W K R G	
6KRUW WLPH	\$SSO\RYHUORDGIRU VHFR 2UYHHVULOVRVDD3QFHFKDQJHUDWHD 5WLPWMKUHDWSHROZHRUUVHFRQGV			H KR
5 H V L V W D Q I 6 R O G H U L Q J	H W R C " C W L P H V H F " V H F + H D W	33 66	0,/67' 0HWKRG	
7 H P S H U D W X U F	H&℃FOLRQUQ ℃ PLQ F\FOH	V ""0.5	0,/ 67' 0HWKRG	*
/RZ WHPSHU 6WRUDJH	DWXUH °C IRU KRXUV 1R SRZHU	33 66	0,/67' (
+LJK 7HPSHU 6WRUDJH	DWXUH °C IRU KRX872118	33 66	, (&	
%LDV +XPL0	GLWC\ 5+, ELDV KRXUV	33 11	0,/67' 0HWKRG	
0 H F K D Q L F D C	& RQGLWLRQ& J¶V PVHF SVHKURSFHNQGLFXODUD[HV LQ GLU HDFKIRUDWRWDORI WLPHV	PXWXDOO\ JHFW"LRQV VKRFNV	W KU H H L P S D O H W K R G	F۱
Solderability	245±5°C, 2±0.5sec	At least 95% of surface area of electrode shall be covered with new solder	IEC60115-1-4.17 JIS-C5201-4.17	
2 S H U D W L R C	PÔ O CIH KRXUV DW UDWHG S 21 O CIH KRXUV 32))′	RZHU, "KRX	U Ø ,/ 67' 0 H W K R G	
, Q V X O D W L R Q	5 H VýL V&WI取QJF H P L Q X W H	! 0Ω	JIS-C5201	

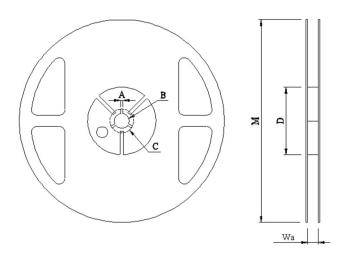


Tapping & Package



Туре	Pack	A ±0.2	B ±0.2	D0 +0.5-0	E ±0.1	F ±0.05	P0 ±0.1	P1 ±0.1	P2 ±0.1	W ±0.2	D1 ±0.05	T ±0.15
2512	Emboss	3.60	6.90	1.50	1.75	5.50	4.00	4.00	2.00	12.00	1.50	1.20

Reel Specification



Type	Α	В	С	D	M	w
2512	2.00±0.5	13.50±0.5	21.00±0.5	80.00±1.0	178.00±2.0	13.80±0.5

Packaging

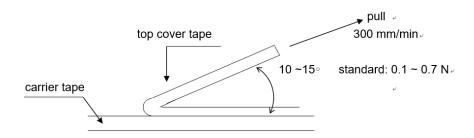
Quantity: 4, 000pcs

8mm wide tape on 178mm(7 inch) diameter reel -specification EIA

Standard 481.

Peel strength of upper belt

Stripping speed: 300 mm / min; The peel force is between 0.1N and 0.7n.



Storage conditions & shelf life

It can be stored for 2 years under closed conditions with temperature of 5 $^{\circ}$ C \sim 35 $^{\circ}$ C and relative humidity of 40 \sim 75

Please avoid the following harsh environment during storage to avoid affecting the product performance and solder connectivity: the places with corrosive gases such as sea breeze, Cl2, H2S, NH3, SO2 and NO2 shall be stored without direct sunlight.

Precautions for product use

When measuring the resistance value before welding, a special resistance meter with high precision shall be used. When measuring, a 4-wire probe or fixture must be used. 4. When measuring parts with a wire measuring needle, the 4 measuring needles must indeed contact the parts.

Avoid damaging the protective layer during manual welding or clamping with tweezers.

When the PCB is divided or fixed on the support, be careful to avoid excessive bending causing mechanical stress to the resistor.

It shall be used within the rated power range within the specification, especially when the power exceeds the rated value, which may affect the reliability of the product