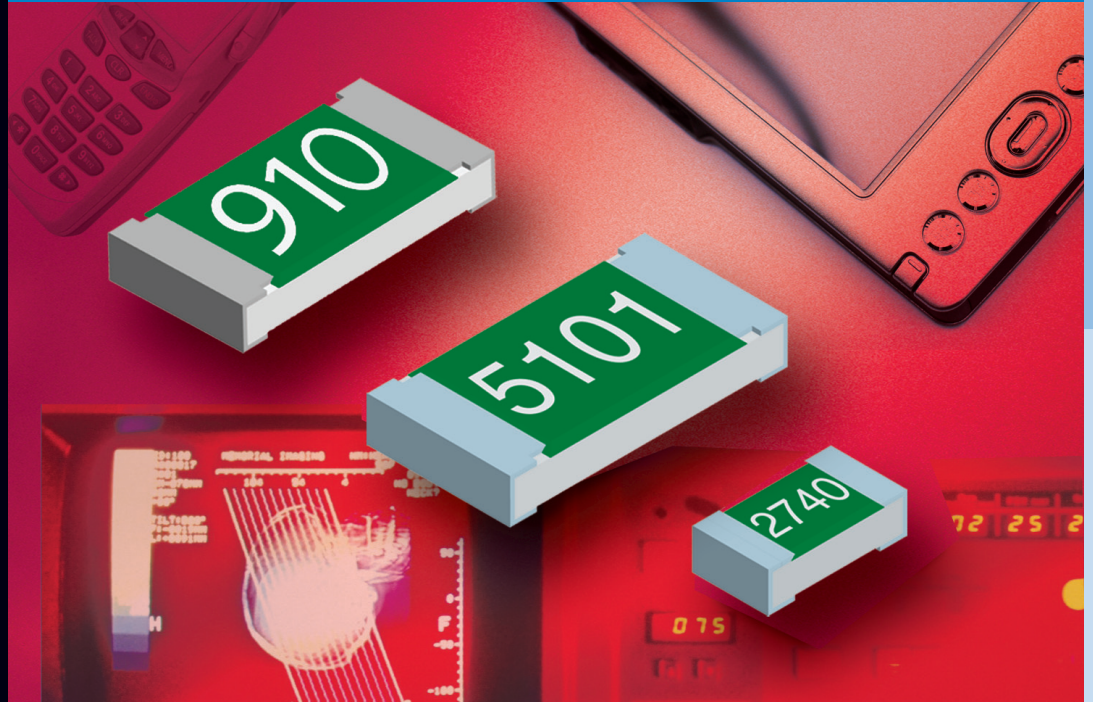




THIN FILM CHIP RESISTORS



KEY BENEFITS

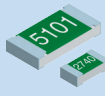
- Highly stable thin film construction
- A wide range of power ratings (0.063 W to 0.5 W)
- A wide resistance range (1 Ω to 8.87 M Ω)
- Tight Tolerances (down to ± 0.05 %)
- Low temperature coefficient (down to ± 5 ppm/K)
- Low current noise
- AEC-Q200 qualified

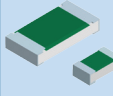



THIN FILM CHIP RESISTORS

RESISTIVE PRODUCTS

SELECTOR GUIDE

Product	Model	Power Rating P _{70 °C} (W)	Resistance Range	TCR (ppm/K)	Tolerance	E-Series	Applications
TNPW e3 TNPW 	TNPW0402	0.063	10 Ω - 100 kΩ	± 10, ± 15, ± 25, ± 50	± 0.1 %, ± 0.5 %, ± 1 %	E24 - E96	<ul style="list-style-type: none"> • Industrial equipment • Telecommunication • Medical equipment • Avionics • Automotive
	TNPW0603	0.1	10 Ω - 332 kΩ	± 10, ± 15, ± 25, ± 50	± 0.1 %, ± 0.5 %, ± 1 %	E24 - E192	
	TNPW0805	0.125	10 Ω - 1 MΩ	± 10, ± 15, ± 25, ± 50	± 0.1 %, ± 0.5 %, ± 1 %	E24 - E192	
	TNPW1206	0.25	10 Ω - 2 MΩ	± 10, ± 15, ± 25, ± 50	± 0.1 %, ± 0.5 %, ± 1 %	E24 - E192	
	TNPW1210	0.33	10 Ω - 3.01 MΩ	± 10, ± 15, ± 25, ± 50	± 0.1 %, ± 0.5 %, ± 1 %	E24 - E192	
	TNPW2010	0.4	10 Ω - 4.99 MΩ	± 25, ± 50	± 0.1 %, ± 0.5 %, ± 1 %	E24 - E96	
	TNPW2512	0.5	10 Ω - 8.87 MΩ	± 25, ± 50	± 0.1 %, ± 0.5 %, ± 1 %	E24 - E96	
TNPW e3: Pure tin (Sn) terminations TNPW: Tin/Lead (SnPb) terminations							

Product	Model	Power Rating P _{70 °C} (W)	Resistance Range	TCR (ppm/K)	Tolerance	E-Series	Applications
TNPU e3 	TNPU 0603 e3	0.1	100 Ω - 100 kΩ	± 5, ± 10	± 0.05 %, ± 0.1 %	E24 - E192	<ul style="list-style-type: none"> • Test and measuring equipment • Industrial equipment • Telecommunication • Medical equipment • Automotive • Avionics
	TNPU 0805 e3	0.125	100 Ω - 332 kΩ	± 5, ± 10	± 0.05 %, ± 0.1 %	E24 - E192	
	TNPU 1206 e3	0.25	100 Ω - 511 kΩ	± 5, ± 10	± 0.05 %, ± 0.1 %	E24 - E192	

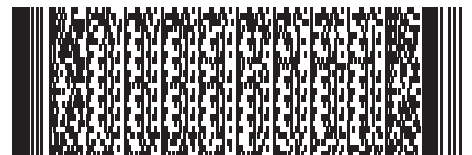
Fusible Thin Film Chip Resistors							
Product	Model	Power Rating P _{70 °C} (W)	Resistance Range	TCR (ppm/K)	Tolerance	E-Series	Applications
M25SI 	M25SI	0.25	5 Ω - 3.9 kΩ	± 100	± 5 %	E24	<ul style="list-style-type: none"> • Battery chargers • Cordless phones • Power supplies • Light-dimmer electronics

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