

MIL-PRF-55342 Qualified Product Listing (QPL) (continued)

Style Size	Technology	MIL-PRF-55342 Characteristic	Tolerance	Resistance Range (Ω)	Rated Power (mW)	Rated Voltage* (V)	Reliability Level	Termination Type
Style 07 RM1206	Thick Film TMC Series	К, М	±1%, ±2%, ±5%, ±10%	1R0 - 10M	250	100	C, M, P, R, T	Type `B´ Sn/Pb solder over nickel barrier
Style 08 RM2010	Thick Film TMC Series	К, М	±1%, ±2%, ±5%, ±10%	1R0 - 15M	800	150		
Style 09 RM2512	Thick Film TMC Series	К, М	±1%, ±2%, ±5%, ±10%	1R0 - 15M	1000	200		

*Note: Voltage shall not exceed $\sqrt{P X R}$.

Physical Data

$\begin{array}{c c} & & & & & & \\ \hline & & & & \\ \hline & & & & \\ \hline & & & &$					
	L	w	н	а	b
0402	0.040" ±0.002	0.021" ±0.002	0.012" ±0.003	0.008" ±0.002	0.010" ±0.002
0603	0.063" ±0.004	0.031" ±0.004	0.020" ±0.004	0.012" ±0.005	0.015" ±0.005
0805	0.081" ±0.005	0.050" ±0.005	0.020" ±0.006	0.016" ±0.008	0.016" ±0.008
1505	0.155″ ±0.007	0.050" ±0.005	0.025" ±0.003	0.015" ±0.008	0.015" ±0.008
1206 (Thin Film)	0.126" ±0.006	0.063" ±0.005	0.024" ±0.004	0.016″ ±0.008	0.016" ±0.008
1206 (Thick Film)	0.126" ±0.008	0.063" ±0.005	0.024" ±0.004	0.024" ±0.004 0.020"+0.005/ -0.010	
2010	0.209" ±0.009	0.098" ±0.005	0.028" ±0.005	0.020" ±0.005	0.020" ±0.005
2512	0.259" ±0.009	0.124" ±0.005	0.028" ±0.005	0.020" ±0.005	0.020" ±0.005

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Precision Military Qualified Chip Resistors



Environmental Data

Environmental Test	Thick Film F	Performance	Thin Film Performance			
MIL-PRF-55342	MIL-PRF-55342 Characteristic K	Typical IRC ΔR	MIL-PRF-55342 Characteristic H	Typical IRC ∆R		
Thermal Shock	±0.5%	±0.04%	±0.25%	±0.02%		
Low Temperature Operation	±0.25%	±0.01%	±0.25%	±0.01%		
Short-time Overload	±0.25%	±0.03%	±0.10%	±0.01%		
High Temperature Exposure	±0.5%	±0.05%	±0.50%	±0.03%		
Resistance to Solder	±0.25%	±0.09%	±0.25%	±0.01%		
Moisture Resistance	±0.5%	±0.06%	±0.40%	±0.03%		
Life	±2.0%	±0.10%	±2.0%	±0.03%		

MIL-PRF-55342 Ordering Data

	D55342	Н	07	B	1E00	S
Million Busilians		•	•		:	:
Military Designator · · · · · · · · · · · · · · · · · · ·	••••	:	:			•
M55342 for styles RM0402, RM0603, RM0705(0805), RM1505, RM2010, and RM	12512	•	•	:	:	:
D55342 for style RM1206		:	:	•		•
			•	:	:	:
Characteristic · · · · · · · · · · · · · · · · · · ·			:	•		
E. H. K and M per MIL-PRF-55342				:	:	- 1
				•	•	:
					:	
Specification Number	• • • • • • • • • •	• • • • • •	•••	:	•	
04 for style RM1505; 06 for style RM0705(0805); 07 for style RM1206					:	
08 for style RM2010; 09 for style RM2512; 11 for Style RM0402, 12 for style RM06	603				•	:
						•
Termination					•	:
Termination B per MIL-PRE-553/2					:	•
					•	:
					:	•
Resistance and Tolerance	• • • • • • • • •	••••	• • • • • •	• • • • • •	• • • •	- 1
Resistance and tolerance code per MIL-PRF-55342						:
Product Level Designator						
Product level Designator Product level C, M, P, R, S and T per MIL-PRF-55342						

Packaging Standard order packaging is 8mm or 12mm tape per EIA 481. Conductive waffle pack packaging is also available.

For additional information or to discuss your specific requirements, please contact our Applications team using the contact details below.