

Surface Mount Thin Film Precision Resistors
2312 Series (0603 & 0805), Specifications & Pricing



Part Number Determination

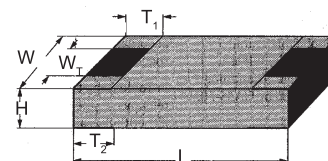
2312-241-76193				
2312	241	7	619	3
SERIES	SIZE & TEMP COEF	TOLERANCE	RESISTANCE VALUE	RESISTANCE DECADE
Thin Film Resistor	261=0402, 25ppm 262=0402, 15ppm 263=0402, 10ppm All 0402 are MCS0402 Type	6=±0.25% 7=±0.1%	3 Significant digits	1=100 - 976 2=1K - 9.76K 3=10K - 97.6K 4=100K
	201=0603, 25ppm 202=0603, 15ppm 203=0603, 10ppm All 0603 are MCT0603 Type			
	241=0805, 25ppm 242=0805, 15ppm 243=0805, 10ppm All 0805 are MCU0805 Type			

Electrical Characteristics

Resistance Range: 100Ω to 100KΩ
Resistance Tolerance: ±0.1%
Temperature Coefficient: ±25ppm/°C
Operating Temp. Range: -55 to 125°C
Maximum Working Voltage: 100V
Power Dissipation: 100mW, 125mW

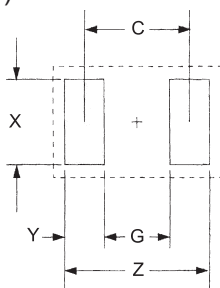
Package Dimensions (mm)

Type	H	L	WT	W	T1	T2	Mass (mg)
MCS0402	0.32 ±0.05	1.0 ±0.05	>75% of W	0.5 ±0.05	0.2 +0.1/-0.15	0.2 ±0.1	0.6
MCT0603	0.45 +0.1/-0.05	1.55 ±0.05	>75% of W	0.85 ±0.1	0.3 +0.15/-0.2	0.3 +0.15/-0.2	1.5
MCU0805	0.45 +0.1/0.05	2.0 ±0.1	>75% of W	1.25 ±0.15	0.4 +0.1/-0.2	0.4 +0.1/-0.2	3.2



Land Pattern (mm)

Case Size	0603	0805
EIA Size	1608	2012
Z	2.80	3.20
G	0.60	0.60
X	1.00	1.50
Y	1.10	1.30
C	1.70	1.90



Construction

