

**Surface Mount Thick Film Resistors
9C Series, Specifications, & Pricing**



Part Number Determination

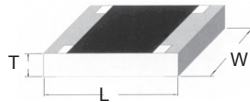
9C08052A1002FKHFT							
9C	0805	2A	1002	F	K	HF	T
SERIES	SIZE	POWER RATING (Ω)	RESISTANCE	TOLERANCE	TEMP COEFF ppm/oC	TERMINATION	PACKAGING
Thick Film Chip Resistors	0201	1A=1/10	3 Significant digits + 1 multiplier 4320=432Ω 1002=10K 8063=806K	P=±0.2%	A=±25	HF=SnPb PF=100% Sn 2372 AF=NiAu	T=5K Paper 3=10K Paper 4=20K Paper 5=4K Blister 6=5K Blister 7=50K Paper P=25K Bulk Case
	0402	2A=1/8		L=±0.1%	B=±50		
	0603	3A=1/4		W=±0.05%	K=±100		
	0805	4A=1/10		B=±0.1%	L=±200		
	1206	5A=1/3		C=±0.25%	E=±250		
	1210	7A=1/20		D=±0.5%	M=±300		
	1218	8A=1/32		F=±1%	G=±500		
	2010	12=1/2		G=±2%	P=±750		
2512	1W=1	J=±5%	H=±1000				
		K=±10%	I=±1500				
			J=±2000				
			N=±3000				
			dash=Base on Spec.				

0402 Part Number Determination

2322-705-70103				
2322	705	70	10	3
TYPE	SIZE	PACKAGING	RES	RES DECADE
Thick Film Chip Res	0402	70=10K/RI 80=100K/Bk	First 2 digits of Res value	8, 1-9.7ohm 9, 10-97.6 1, 100- 976 2, 1K-9.76K 3, 10K-97.6K 4, 100K-976K 5, 1M-9.76M 6, 10M-97.6M

Package Dimensions (mm)

Size Code	L (mm)	W (mm)	T (mm)	Mass (g)
0402	1.0	0.5	0.35	0.06
0603	1.6	0.8	0.45	0.20
0805	2.0	1.25	0.55	0.55

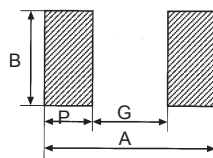


Electrical Characteristics

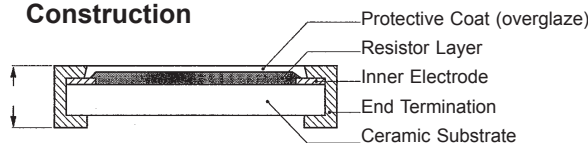
Series	Int'l Equiv.	Range (ohm)	Temp Coeff (ppm)	Power Rating	Tolerance
2322-705	2322-705	10-1M	±200	1/16W	5%
9C0603-J	2322-702	1-9.1 10-1M 1M-6.8M	500-200 ±200 ±300	1/10W	5%
9C0603-F	2322-704	10-97.6 100-1M	±200 ±100	1/10W	1%
9C0805-J	2322-730	1-10M	±200	1/8W	5%
9C0805-F	2322-734	10-97.6 100-10M	±200 ±100	1/8W	1%

Land Pattern for Reflow Soldering (mm)

Case Size	0402	0603	0805
EIA Size	1005	1608	2012
B (mm)	0.65	1.0	1.5
P (mm)	0.4	0.5	0.7
G (mm)	0.4	1.0	1.2
A (mm)	1.2	2.0	2.6



Construction



Pricing

Series	Qty/Reel	Description	Range	Price Each						
				25-	50-	100-	500-	1000-	5000- 10000-	
2322-705-70xxx	10000	0402 1/16W 5%	10Ω-1MΩ	\$0.0700	0.0500	0.0300	0.0150	0.0090	0.0040	0.0037
9C06031A-J	5000	0603 1/10W 5%	000, 1.0Ω-6.8MΩ	0.0700	0.0600	0.0330	0.0100	0.0070	0.0036	
9C06031A-F	5000	0603 1/10W 1%	10Ω-1MΩ	0.1100	0.0730	0.0440	0.0130	0.0100	0.0040	
9C08052A-J	5000	0805 1/8W 5%	000, 1.0Ω-10MΩ	0.0900	0.0800	0.0440	0.0130	0.0090	0.0048	
9C08052A-F	5000	0805 1/8W 1%	10Ω-1MΩ	0.0800	0.0400	0.0300	0.0190	0.0120	0.0050	

For larger quantity pricing contact Garrett Electronics sales