

Surface Mount Chip Beads

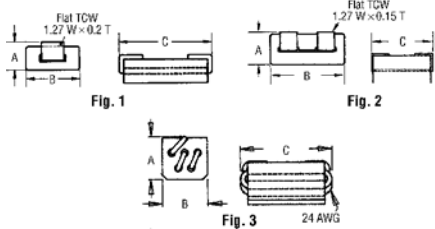
These surface mount multilayer ferrite chip beads are designed to reduce noise above the operating frequencies in standard EIA chip sizes. They offer 100% controlled impedance and DCR. The excellent solderability characteristics are suitable for both wave and reflow solder

Stock No.	Mfr.'s Type	Imp. (Ω) ±25% @ 100 MHz	Max. DCR Ohm	Max. mA	Size	Qty. Per Bag	EACH	
							1-9	10-24
589-0544	2518065007Y6H	50	0.01	6000	1806	25	4.75	4.32
589-0596	2518065007Y6D	50	0.01	6000	1806	100	17.75	16.13
589-0543	2518061517Y0H	150	0.30	400	1806	25	3.12	2.84
589-0595	2518061517Y0D	150	0.30	400	1806	100	11.28	10.26
589-0542	2518061017Y0H	100	0.30	400	1806	25	3.06	2.78
589-0594	2518061017Y0D	100	0.30	400	1806	100	11.28	10.26
589-0540	2512067007Y0H	70	0.20	400	1206	25	2.71	2.47
589-0592	2512067007Y0D	70	0.20	400	1206	100	9.61	8.73
589-0541	2512067007Y3H	70	0.05	3000	1206	25	3.77	3.43
589-0593	2512067007Y3D	70	0.05	3000	1206	100	13.87	12.61
589-0573	2512066017Y0H	600	0.60	200	1206	25	2.86	2.60
589-0572	2512066017Y0D	600	0.60	200	1206	100	19.30	17.54
589-0567	2512066007Y0H	60	0.20	400	1206	25	2.71	2.47
589-0566	2512066007Y0D	60	0.20	400	1206	100	5.94	5.40
589-0571	2512063017Y0H	300	0.30	200	1206	25	2.79	2.54
589-0570	2512063017Y0D	300	0.30	200	1206	100	16.79	15.26
589-0539	2512063007Y0H	30	0.10	500	1206	25	2.71	2.47
589-0591	2512063007Y0D	30	0.10	500	1206	100	9.16	8.32
589-0575	2512061527Y0H	1500	1.00	100	1206	25	3.17	2.88
589-0574	2512061527Y0D	1500	1.00	100	1206	100	26.79	24.35
589-0569	2512061217Y0H	120	0.20	300	1206	25	2.71	2.47
589-0568	2512061217Y0D	120	0.20	300	1206	100	15.12	13.74
589-0563	2508056017Y0H	600	0.60	200	0805	25	3.18	2.89
589-0562	2508056017Y0D	600	0.60	200	0805	100	18.07	16.43
589-0536	2508056007Z0H	60	0.30	300	0805	25	2.94	2.67
589-0588	2508056007Z0D	60	0.30	300	0805	100	10.51	9.55
589-0535	2508056007Y0H	60	0.20	300	0805	25	2.59	2.36
589-0587	2508056007Y0D	60	0.20	300	0805	100	9.16	8.33

processes. They are easy to handle by surface mount technology equipment. Used to suppress EMI in computer products peripherals, cell phones, digital communication equipment, television and VCRs.

Stock No.	Mfr.'s Type	Imp. (Ω) ±25% @ 100 MHz	Max. DCR Ohm	Max. mA	Size	Qty. Per Bag	EACH	
							1-9	10-24
589-0559	2508055007Y0H	50	0.20	300	0805	25	3.04	2.76
589-0558	2508055007Y0D	50	0.20	300	0805	100	13.42	12.20
589-0561	2508053017Y0H	300	0.40	300	0805	25	2.71	2.47
589-0560	2508053017Y0D	300	0.40	300	0805	100	15.73	14.30
589-0534	2508053007Y0H	30	0.20	300	0805	25	2.59	2.36
589-0586	2508053007Y0D	30	0.20	300	0805	100	9.16	8.33
589-0533	2508051217Z0H	120	0.30	300	0805	25	3.00	2.73
589-0585	2508051217Z0D	120	0.30	300	0805	100	10.73	9.75
589-0532	2508051217Y0H	120	0.30	300	0805	25	2.71	2.47
589-0584	2508051217Y0D	120	0.30	300	0805	100	9.61	8.73
589-0565	2508051027Y0H	1000	0.80	100	0805	25	3.10	2.82
589-0564	2508051027Y0D	1000	0.80	100	0805	100	21.22	19.29
589-0530	2508051017Y0H	100	0.30	300	0805	25	2.71	2.47
589-0582	2508051017Y0D	100	0.30	300	0805	100	9.61	8.73
589-0557	2506036017Y0H	600	8.80	100	0603	25	3.26	2.97
589-0556	2506036017Y0D	600	8.80	100	0603	100	19.85	18.04
589-0527	2506036007Z0H	60	0.50	200	0603	100	3.08	2.80
589-0526	2506036007Y0H	60	0.20	200	0603	25	2.66	2.47
589-0578	2506036007Y0D	60	0.20	200	0603	100	9.61	8.73
589-0529	2506033017Z0H	300	0.85	100	0603	25	3.45	3.13
589-0581	2506033017Z0D	300	0.85	100	0603	100	12.30	11.18
589-0555	2506033017Y0H	300	0.60	100	0603	25	3.04	2.76
589-0554	2506033017Y0D	300	0.60	100	0603	100	7.28	6.62
589-0551	2506033007Y0H	30	0.10	200	0603	25	2.71	2.47
589-0550	2506033007Y0D	30	0.10	200	0603	100	18.87	17.15
589-0525	2506031017Y0H	100	0.20	150	0603	25	2.94	2.67
589-0577	2506031017Y0D	100	0.20	150	0603	100	10.51	9.55
—	—	—	—	—	—	—	—	—

Surface Mount EMI Shield Bead



These surface mountable ferrite beads in type 43 and 44 material are constructed with a solid flat copper conductor having a minimum 90/10 tin/lead coating thickness of 200 μ inch. They offer a high current carrying capacity with low dc resistance compared with plated beads. Impedance values listed below are controlled to ±20% @ 100 MHz.

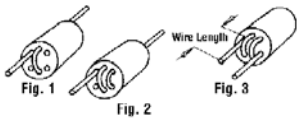
Stock No.	Mfr.'s Type	Fig.	Typical Imp. (Ω) @ 100 MHz	Dimensions — In.			Pkg. Qty.	PER PKG.	
				A	B	C		1-24	25-49
589-0500	2743019447D	1	47	0.112	0.120	0.184	100	17.46	15.87
589-0501	2743019447H	1	47	0.112	0.120	0.184	25	4.83	4.35
589-0505	2743021447D	1	95	0.112	0.120	0.359	100	17.73	16.12
589-0506	2743021447H	1	95	0.112	0.120	0.359	25	4.83	4.35
589-0510	2744041447D	2	33	0.112	0.220	0.185	100	26.62	24.20
589-0511	2744041447H	2	33	0.112	0.220	0.185	25	7.77	7.00
589-0515	2744045447D	2	60	0.112	0.220	0.335	100	27.85	25.31
589-0516	2744045447H	2	60	0.112	0.220	0.335	25	8.05	7.24
589-0520	2744555576D	3	600	0.197	0.197	0.433	100	32.23	29.30
589-0521	2744555576H	3	600	0.197	0.197	0.433	25	9.29	8.36

EMI Beads on Leads

These ferrite devices consist of beads assembled on #22 AWG tinned copper wire (95/5 tin/lead coating) and are useful in automated circuit assembly. They are supplied in type 43 material. Impedance increases with “C” dimension listed below. Impedance values listed below are controlled to ±20% @ 100 MHz.

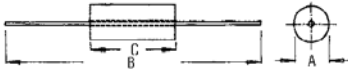
Stock No.	Mfr.'s Type	Typical Imp. (Ω) 100 MHz	Dimensions — In.			Pkg. Qty.	PER PKG.	
			A	B	C		1-24	25-49
589-0400	2743001112D	68	0.138	2.440	0.175	100	10.34	9.40
589-0401	2743001112H	68	0.138	2.440	0.175	25	3.01	2.71
589-0405	2743015112D	82	0.138	2.440	0.206	100	10.34	9.40
589-0406	2743015112H	82	0.138	2.440	0.206	25	3.01	2.71
589-0410	2743003112D	100	0.138	2.440	0.263	100	10.34	9.40
589-0411	2743003112H	100	0.138	2.440	0.263	25	3.01	2.71

Wound EMI Shield Beads



These 6 hole ferrite beads wound with various configurations offer very high impedance in a small package. Supplied in high resistivity broadband material and high frequency 61 material wound with #24 AWG tinned copper wire (95/5 tin/lead coating) maximum suppression is obtained between 25 and 250 MHz. **Wire Length:** 1.500" (38 mm) nominal.

Stock No.	Mfr.'s Type	Fig.	Typical Imp. (Ω) @ 50 MHz	Typical Imp. (Ω) @ 100 MHz	Typical Imp. (Ω) @ 200 MHz	Turns	PER PKG./100	
							1-24	25-49
589-0601	2944666661C	1	400	470	—	1½	27.67	25.16
589-0606	29446666671C	2	850	725	—	2½	28.15	25.60
589-0611	29446666631C	3	1000	690	—	3	28.51	25.92
589-0603	29616666631C	3	815	780	315	3	33.69	30.57
589-0607	29616666661C	1	315	500	405	1½	33.01	30.05
589-0609	29616666671C	2	690	845	345	2½	33.69	30.57



Stock No.	Mfr.'s Type	Typical Imp. (Ω) 100 MHz	Dimensions — In.			Pkg. Qty.	PER PKG.	
			A	B	C		1-24	25-49
589-0415	2743002112D	133	0.138	2.440	0.350	100	10.34	9.40
589-0416	2743002112H	133	0.138	2.440	0.350	25	3.01	2.72
589-0420	2743008112D	180	0.138	2.440	0.450	100	10.65	9.68
589-0421	2743008112H	180	0.138	2.440	0.450	25	3.24	2.92
589-0425	2743009112D	220	0.138	2.440	0.545	100	10.98	9.98
589-0426	2743009112H	220	0.138	2.440	0.545	25	3.24	2.92