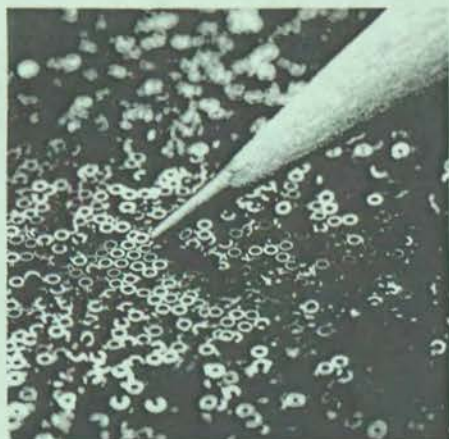


Ferrite Cores



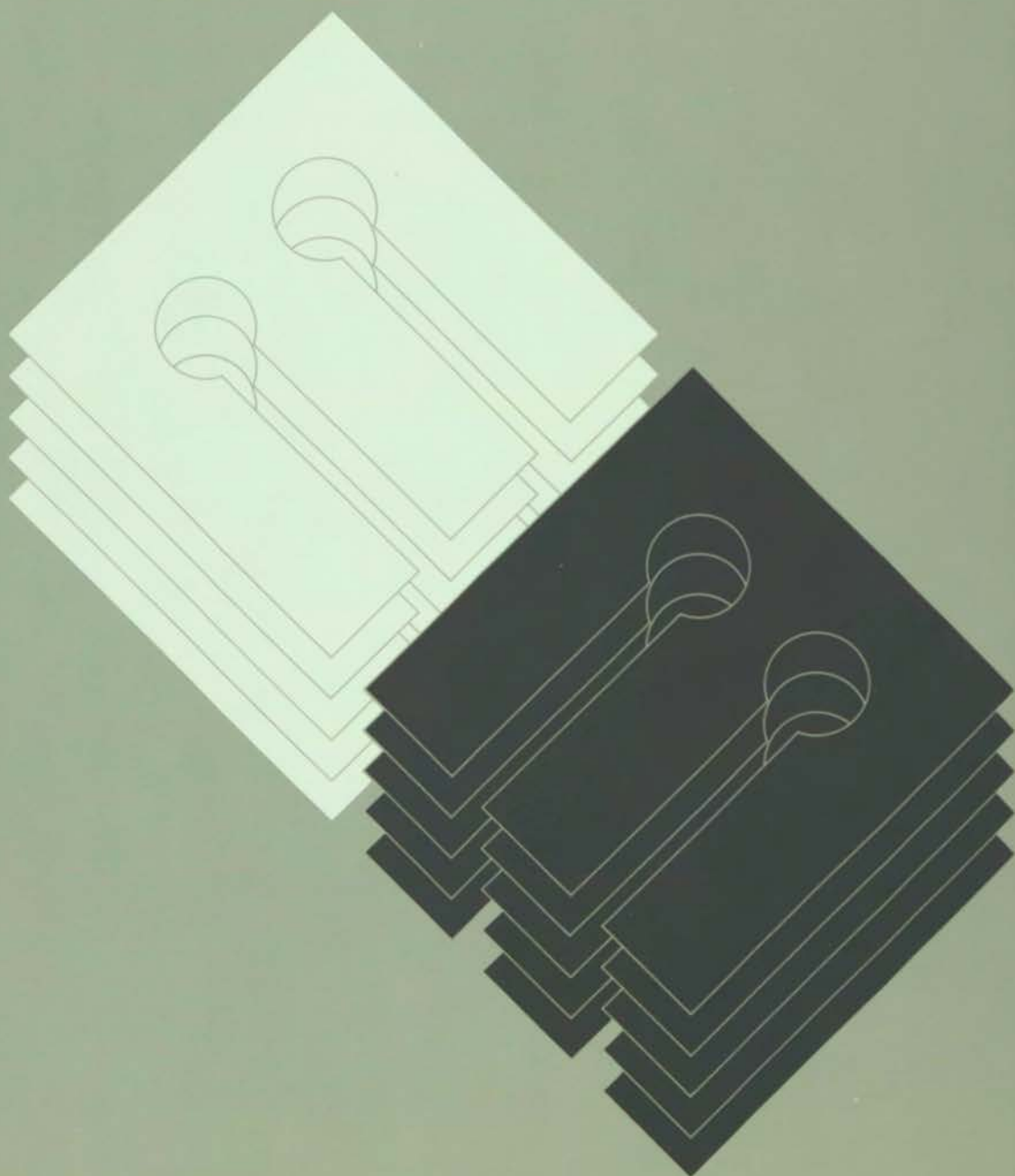
Electronic Memories is the largest independent ferrite core manufacturer in the world offering the broadest core library available. These include a wide variety of 18 to 30 mil core designs. Special cores can be developed to meet specific customer requirements.

Core summary

	Standard Temperature Range								Extended Temperature Range					Wide Temperature Range						
	18		20			30			18	20		30	18	20		30				
Type	12-100	22-101	22-103	22-105	31-103	31-108	31-118	31-120	18-100	28-100	28-102	38-100	38-101	14-100	24-100	24-101	34-104	34-106	34-107	34-109
Typical OD	18	21	21	23	30	32	31	31	18	21	22	30	30	18	21	23	30	30	30	30
Size ID	11.5	14	14	14	20	20	19	20	11.5	13.2	13.5	20	20	11.5	14	14	18	18	18	17
(Mils) HT	4	4	5	5	7	7	7.5	8.5	4	6.5	5.5	7.5	8	4.5	5.5	6	10	10	10	9.3
Typical test conditions at 25°C																				
If Amplitude (ma)	870	765	640	640	520	640	650	450	750	720	720	550	650	900	725	820	600	600	700	400
Ip Amplitude (ma)	535	482	385	385	320	395	400	275	465	450	450	345	425	540	465	500	370	390	440	190
Rise & fall time (ns)	50	50	50	50	100	100	100	50	50	50	50	100	100	30	50	50	100	150	100	100
Duration (ns)	500	500	500	500	2000	1500	1500	1500	300	300	300	800	800	500	500	500	500	800	1000	1000
Specified output signals at 25°C																				
Amplitude ONE (mv) ≥	45	36	40	35	37	39	46	38	33	38	38	38	30	35	30	42	47	32	46	30
Amplitude ZERO (mv) ≤	8	9.5	8	9	10	9	9	17	9.5	13	12	9	6.5	9	7.5	13	11	9	10.5	6
Peak time (ns)	95	120	140	130	220	220	230	190	115	130	130	250	270	85	150	110	260	330	225	315
Switch time (ns) ≤	160	235	300	260	460	440	450	420	210	250	250	540	560	200	330	260	520	700	550	750
Typical output signals at 25°C																				
Amplitude ONE (mv)	48	42	45	40	45	45	52	43	40	50	45	45	40	42	36	50	52	40	52	35
Amplitude ZERO (mv)	6	7.5	6	8	8	7	7	15	7.5	12	9	7	5	5	6	11	8.5	7	8.5	5
Peak time (ns)	95	120	140	120	215	220	230	180	105	125	130	250	270	85	150	100	260	330	225	315
Switch time (ns)	150	210	265	240	430	415	430	400	190	220	230	520	540	185	285	240	485	640	450	700
Typical temperature coefficient																				
ma/c°	3 ma/c°								2 ma/c°					1 ma/c°						

102640005

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A Division of Electronic Memories & Magnetics Corporation

Standard, Extended
& Wide Temperature
Ranges

