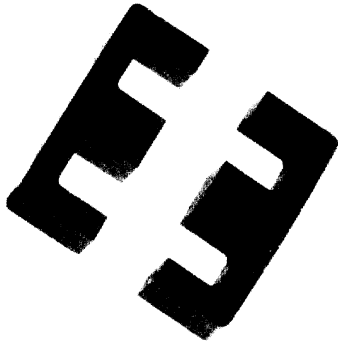


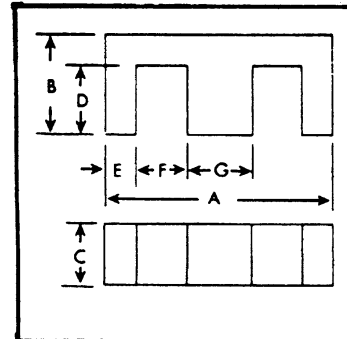
# FERRITE 'E' CORES

E-Cores are available in the 77 (stocking) and J (non-stocking) Material.

TYPE 77 FERRITE MATERIAL  
permeability 2000



These are ideally suited for low power applications up to 200 watts. A nylon bobbin is supplied for easy winding. Please see section IV on "Toroid Mounts & E-Core Bobbins" for more information on different types of E-Core Bobbins.



**E-Core Physical Dimensions (inches)**

Part No.	A	B	C	D	E	F	G	Power
EA-77-188	.760	.318	.187	.225	.093	.192	.187	10 watts
EA-77-250	1.000	.380	.250	.255	.125	.250	.250	20 watts
EA-77-375	1.375	.562	.375	.375	.187	.312	.375	70 watts
EA-77-500	1.625	.650	.500	.405	.250	.312	.500	100 watts
EA-77-625	1.680	.825	.605	.593	.234	.375	.468	200 watts

**E-Core Magnetic Properties**

Part No.	$A_e$ mm <sup>2</sup>	$l_e$ mm	$V_e$ mm <sup>3</sup>	$A_s$ mm <sup>2</sup>	$A_w$ mm <sup>2</sup>	$A_c \times A_w$ mm <sup>4</sup>	$A_L$ value mh/1000 turns
E-77-188	22.5	40.1	900	1050	55.7	1250	1060
E-77-250	40.4	48.0	1930	1700	80.6	3250	1660
E-77-375	90.3	68.8	6240	3630	151.0	13700	2760
E-77-500	160.0	76.7	12300	5410	163.0	26100	4470
E-77-625	184.0	98.0	18000	7550	287.0	52900	5300

**Wire Size vs. Number of Turns**

Part No.	18	20	22	24	26	28	30	32	34	36	38
EA-77-188	21	33	50	79	125	196	293	439	669	1046	1548
EA-77-250	34	62	93	147	232	364	532	814	1240	1938	—
EA-77-375	63	94	149	235	372	582	868	1302	1984	—	—
EA-77-500	50	141	212	335	532	829	1236	1855	—	—	—
EA-77-625	159	250	375	593	939	1470	2191	—	—	—	—