

IBS Electronics, Inc.

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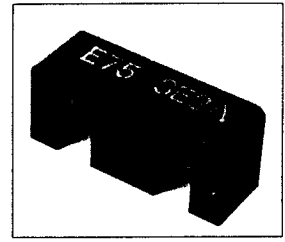
EE CORES

P/N: E75-3E2A MANUFACTURER: PHILLIPS

ELECTRICAL DATA

CORE PART NO.	A _e VALUE†	μ _r † (REF)	A _e MIN.† 3200 G & 100°C	Maximum Power Losses at 100°C†		
				25kHz-1600 G	25kHz-2000 G	100kHz-1000 G
E75-3C80	5950 MIN.	1500	4350	4.1 W		
E75-3C81	9500 ± 25%	2400	4350	4.5 W		
E75-3C85	6900 ± 25%	1745	4350		5.55 W	6.4 W
E75-3E2A	14580 ± 25%	3680				

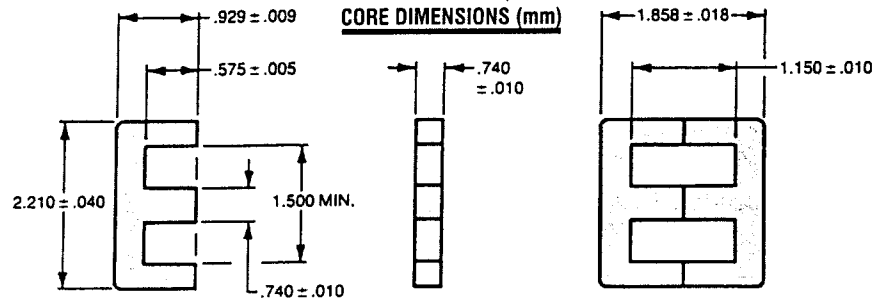
IN STOCK



MECHANICAL DATA

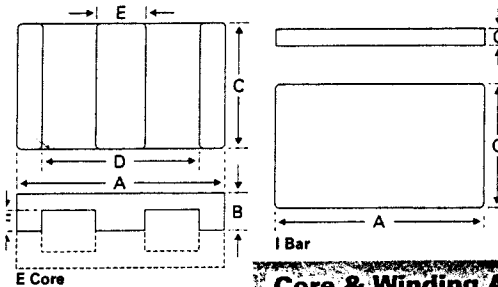
EFFECTIVE CORE SET PARAMETERS

MAGNETIC PATH LENGTH	ℓ_e	4.20 in. 10.7 cm
CORE CONSTANT	$\Sigma \frac{\ell_e}{A_e}$	8.02 in. ⁻¹ 3.16 cm. ⁻¹
EFFECTIVE CORE AREA	A_e	.524 in. ² 3.38 cm ²
EFFECTIVE CORE VOLUME	V_e	2.21 in. ³ 36.0 cm ³
WEIGHT		6.42 oz. 182 Grams

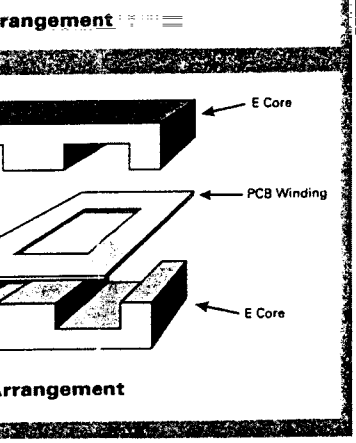
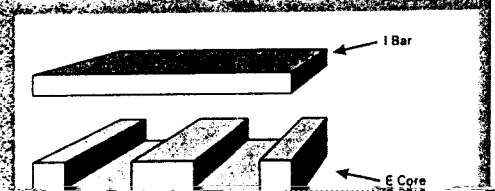


Component Dimensions

Part No.	Type	A	B	C	D	E	F	G
		mm	mm	mm	mm	mm	mm	mm
E14/3.5/5								
32-9140-47	E Core	14.0	3.5	5.0	11.0	3.0	2.0	-
33-9140-47	I Bar	14.0	-	5.0	-	-	-	1.5
E18/4/10								
32-9180-47	E Core	18.0	4.0	10.0	14.0	4.0	2.0	-
33-9180-47	I Bar	18.0	-	10.0	-	-	-	2.0
E22/6/16								
32-9210-47	E Core	21.8	5.7	15.8	16.8	5.0	3.2	-
33-9210-47	I Bar	21.8	-	15.8	-	-	-	2.5
E32/6/20								
32-9320-44	E Core	31.75	6.35	20.32	24.9	6.35	3.18	-
33-9320-44	I Bar	31.75	-	20.32	-	-	-	3.18
E38/8/25								
32-9380-44	E Core	38.10	8.26	25.40	30.23	7.60	4.45	-
33-9380-44	I Bar	38.10	-	25.40	-	-	-	3.81
E64/10/50								
32-9640-44	E Core	63.80	10.16	30.23	35.14	10.16	5.08	-
33-9640-44	I Bar	63.80	-	30.23	-	-	-	5.08



Core & Winding Arrangement



Component Specifications

Core	Type	A _e Value* (nH)	Tolerance	Part Number	
				E Core	I Bar
E14/3.5/5	EE Pair	1100	±25%	32-9140-47	-
	EI Pair	1300	±25%	32-9140-47	33-9140-47
E18/4/10	EE Pair	2700	±25%	32-9180-47	-
	EI Pair	3100	±25%	32-9180-47	33-9180-47
E22/6/16	EE Pair	4300	±25%	32-9210-47	-
	EI Pair	5000	±25%	32-9210-47	33-9210-47
E32/6/20	EE Pair	6425	±25%	32-9320-44	-
	EI Pair	7350	±25%	32-9320-44	33-9320-44
E38/8/25	EE Pair	7940	±25%	32-9380-44	-
	EI Pair	9290	±25%	32-9380-44	33-9380-44
E64/10/50	EE Pair	13300	±25%	32-9640-44	-
	EI Pair	15050	±25%	32-9640-44	33-9640-44

Gapped Cores and alternative material grades may be available on request.

* Provisional

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Http://www.ibs-alec.com

ISO9002
CERTIFIED

INTERNATIONAL TOLL FREE NUMBER
AVAILABLE FOR O.E.M. UPON REQUEST