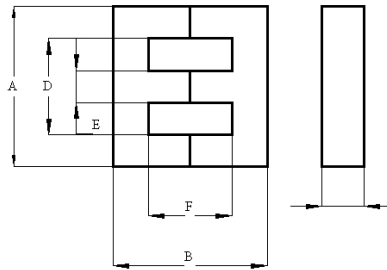


# EE 55 x 21

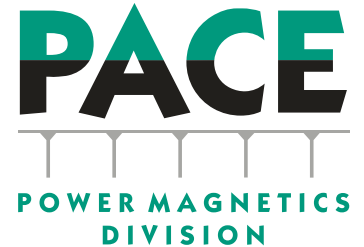
# Ferrite E Cores to Din 41295 EE 55 x 21 Cosmo CF129 material

Data sheet Ref: APS-8 (22/07/02)



### Magnetic Data for a pair of cores

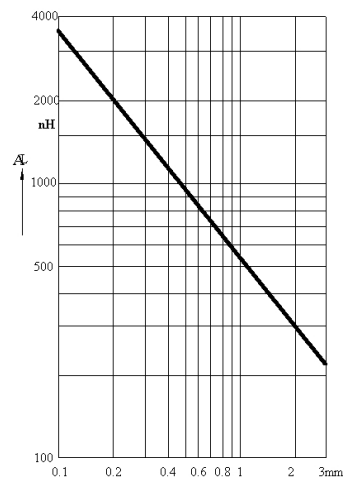
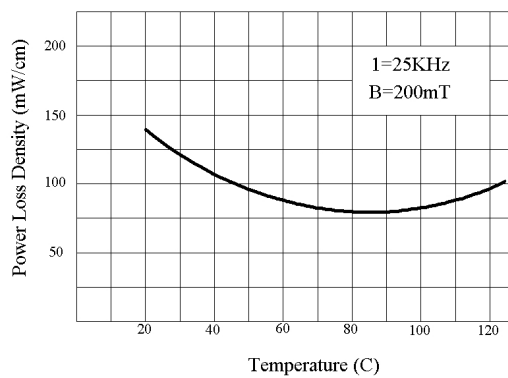
Parameter	symbol	value
Effective magnetic path length	$L_e$	120.0mm
Effective area of magnetic path	$A_e$	354mm <sup>2</sup>
Effective magnetic volume	$V_e$	425mm <sup>3</sup>
$\sum l_A$	CL	0.34mm <sup>-1</sup>



### Dimensions (mm)

A	B	C	D	E	F
54.86 ± 0.78	55.12	20.62 ± 0.25	38.1 ± 0.8	16.76 ± 0.25	37.59 ± 0.5

### Power Loss Vs Temperature



Typical AL (nH/t<sup>2</sup>)  
(As a function of centre pole gap)



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### Standard Characteristics of Material

Material	$\mu_{iac}$	$\tan \sigma / \mu_{iau}$ ( $\times 10^{-5}$ ) 10KHz	$\alpha_{\mu r}$ ( $\times 10^{-6}$ )	TC (°C)	f (MHz)	$\rho$ ( $\Omega \cdot \text{cm}$ )	Bms mT	Hcms Am <sup>-1</sup>	d g/cm <sup>3</sup>
CF129	2400 ±20%	0.2		220	<0.3	500	500	13	4.85

