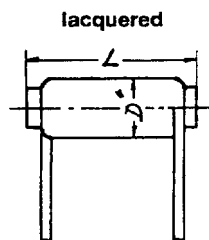


# Electrostatic Limited

Unit 3, Queensway, Northway, Walworth Industrial Estate, Andover, Hants, SP10 5LG  
Tel 0264 333664 Telex 47598 Fax 0264 333665

## DATA SHEET

# INTERFERENCE SUPPRESSION CHOKES FERROPERM type 1585



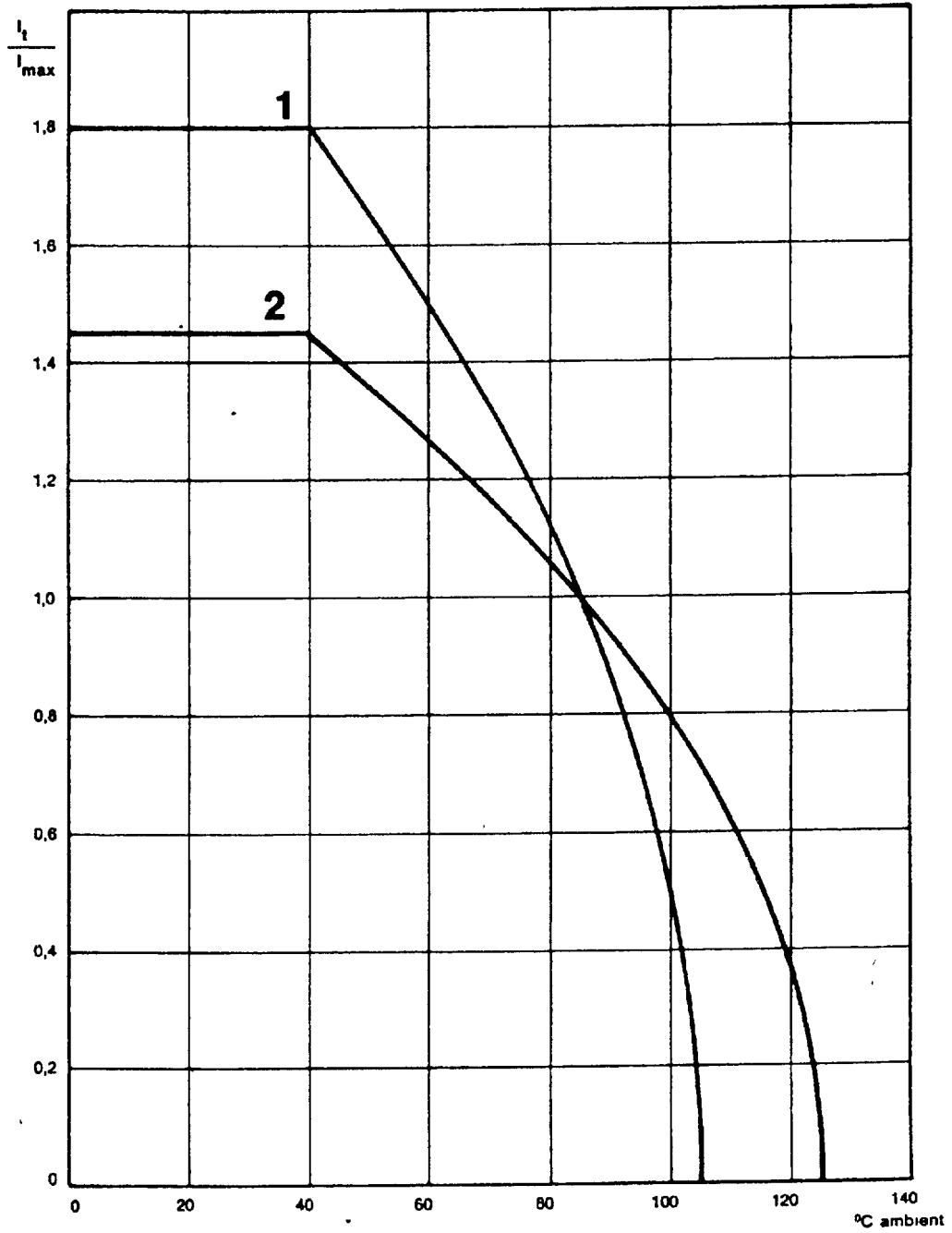
Core	Ferrite
Tolerance of Inductance	$\pm 20\%$
Coating	Lacquered
Working Temperature	-55°C to +85°C
Markings	Type, L and $I_{max}$ letter print

### Rating and Dimensions:

FEC Order Code	L $\pm 20\%$ $\mu\text{H}$	R <sub>dc</sub> m $\Omega$	I <sub>max</sub> A	Dimensions (mm)		F <sub>t</sub> MHz
				D x L	term $\varnothing$	
178-329	4.0	13	3.0	3.5 x 20	0.5	130
178-330	10.0	38	3.0	5 x 20	0.5	70
178-331	25.0	68	3.0	7 x 20	0.5	45
178-332	50.0	60	3.0	11.5 x 27	0.65	3
178-333	100.0	90	3.0	11.5 x 27	0.65	2.5
178-334	500.0	200	3.0	15 x 45	0.65	1.0

I<sub>max</sub>: Maximum current at 85°C ambient. For other temperatures use Curve 2 of Load Rating Curve.

# LOAD RATING CURVES



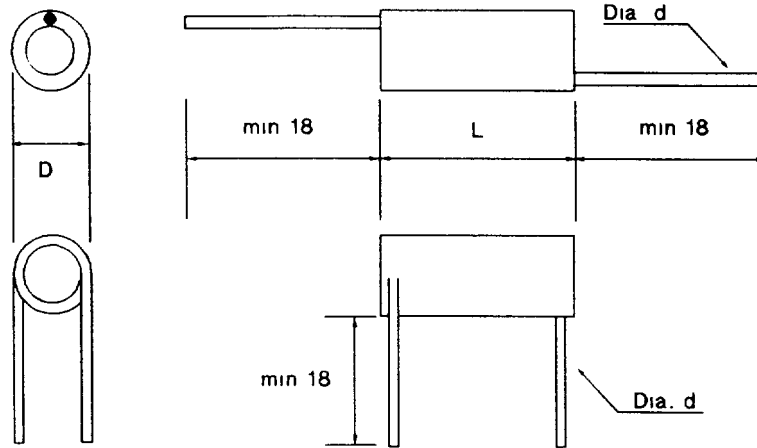
$I_t$  Maximum current at ambient temperature  $t$ .

$I_{max}$  Maximum current at 85°C ambient

178333

## TYPE 1585

### INTERFERENCE SUPPRESSION CHOKES



Dimensions in mm.

INS (insulated) types only have axial leads see top drawing

LAC (lacquered) types can have axial or radial leads see top drawing for axial style see bottom drawing for radial style

Core	Ferrite
Coating (LAC types)	Polyurethane Lacquer
Coating (INS types)	Insulated with heat-shrink tube
Working Temperature	-55 to +85°C ambient
Marking (LAC types)	None
Marking (INS types)	Type, inductance and current

Idc max: Maximum current at 85°C ambient  
 For other temperatures use the "Load Ratings" curve 1 inside the back cover of this catalogue for INS types and curve 2 inside the back cover of this catalogue for LAC types.

For dimensions, see next page

FERROPERM UK LTD  
 VAUXHALL IND EST  
 RUABON, WREXHAM, CLWYD  
 LL14 6HA UNITED KINGDOM  
 TEL +44 978 823 990  
 FAX +44 978 810 128

To order these chokes please specify type 1585, the inductance value, current rating and finish e.g. "1585 10 $\mu$ H 3A LAC"

Axial leads will be supplied unless radial are specified

# FERROPERM

# TYPE 1585

## INTERFERENCE SUPPRESSION CHOKES

Inductance $\mu\text{H}$ ( $\pm 20\%$ )	Maximum Idc A		Rdc $\text{m}\Omega$	Fr MHz	Dimensions *			
	LAC	INS	Typ	Typ	D	*	L	d
4			35	140	3	*	11	0.35
6			38	110	3	*	15	0.40
10	2	1.5	43	90	3	*	30	0.40
15			70	65	5	*	20	0.40
25			110	45	6	*	20	0.35
4			18	130	3	*	15	0.5
6			20	95	3	*	20	0.5
10	3	2	38	70	5	*	20	0.5
15			50	45	6	*	20	0.5
25			68	45	7	*	22	0.5
4			13	110	3.5	*	20	0.63
6			20	90	5.5	*	20	0.63
10			25	70	6.5	*	20	0.63
15			37	55	7.5	*	22	0.63
25			45	40	7.5	*	30	0.63
50	4	3	60	3	10.5	*	22	0.63
100			90	2.5	10.5	*	22	0.63
500			200	1	14	*	40	0.63
1000			350	0.6	15.5	*	42	0.63
4			10	100	6	*	20	0.8
6			13	80	7	*	20	0.8
10	6	4	16	70	8	*	22	0.8
15			20	55	8	*	30	0.8
25			25	45	8	*	35	0.8
4			8	110	7.5	*	20	0.95
6			9.5	80	8.5	*	22	0.95
10	8	6	12	65	8.5	*	30	0.95
15			15	55	8.5	*	35	0.95
25			19	45	8.5	*	40	0.95

\* D & L are maximum dimensions for LAC types. Please add 1mm to D and 5mm to L for maximum dimensions for INS types.

Dimension d values are nominal wire diameters.

FERROPERM UK LTD  
VAUXHALL IND EST  
RUABON, WREXHAM, CLWYD  
LL14 6HA, UNITED KINGDOM  
TEL +44 978 823 990  
FAX +44 978 810 128

# FERROPERM