



**THE DATASHEET OF  
S558-5999-AB-F**





ELECTRICAL CHARACTERISTICS @25°C

TURNS RATIO  
 (3-1-2) : (22-24-23)  
 (6-4-5) : (19-21-20)  
 (9-7-8) : (16-18-17)  
 (12-10-11) : (13-15-14)

DCL  
 350µH MIN AT 100KHZ, 100mV  
 WITH 8mA DC BIAS @25°C

INSERTION LOSS  
 1.1dB MAX @0.1 TD 1MHZ  
 0.5dB MAX @1TD 65MHZ  
 1.0dB MAX @80MHZ  
 1.2dB MAX @125MHZ

RETURN LOSS  
 UNDER 100 OHM  
 ±15% ENVIRONMENT  
 18dB MIN @0.5 TD 40 MHZ  
 12-20LOG(f/80MHZ) dB MIN  
 @40 TD 100 MHZ

COMMON TD COMMON REJECTION  
 30dB MIN @0.1 TD 100 MHZ

CROSSSTALK  
 @1 TD 100 MHZ  
 33-20LOG(f/100 MHZ) dB MIN

HIPOT  
 LEAKAGE CURRENT LESS THAN 1mA AT 1500VAC

OPERATION TEMPERATURE: -40°C TD 85°C

13 TXDPA

14 TXDNA

15 TXTA

16 TXDPB

17 TXDNB

18 TXTB

19 TXDPC

20 TXDNC

21 TXTC

22 TXDPD

23 TXDND

24 TXTD

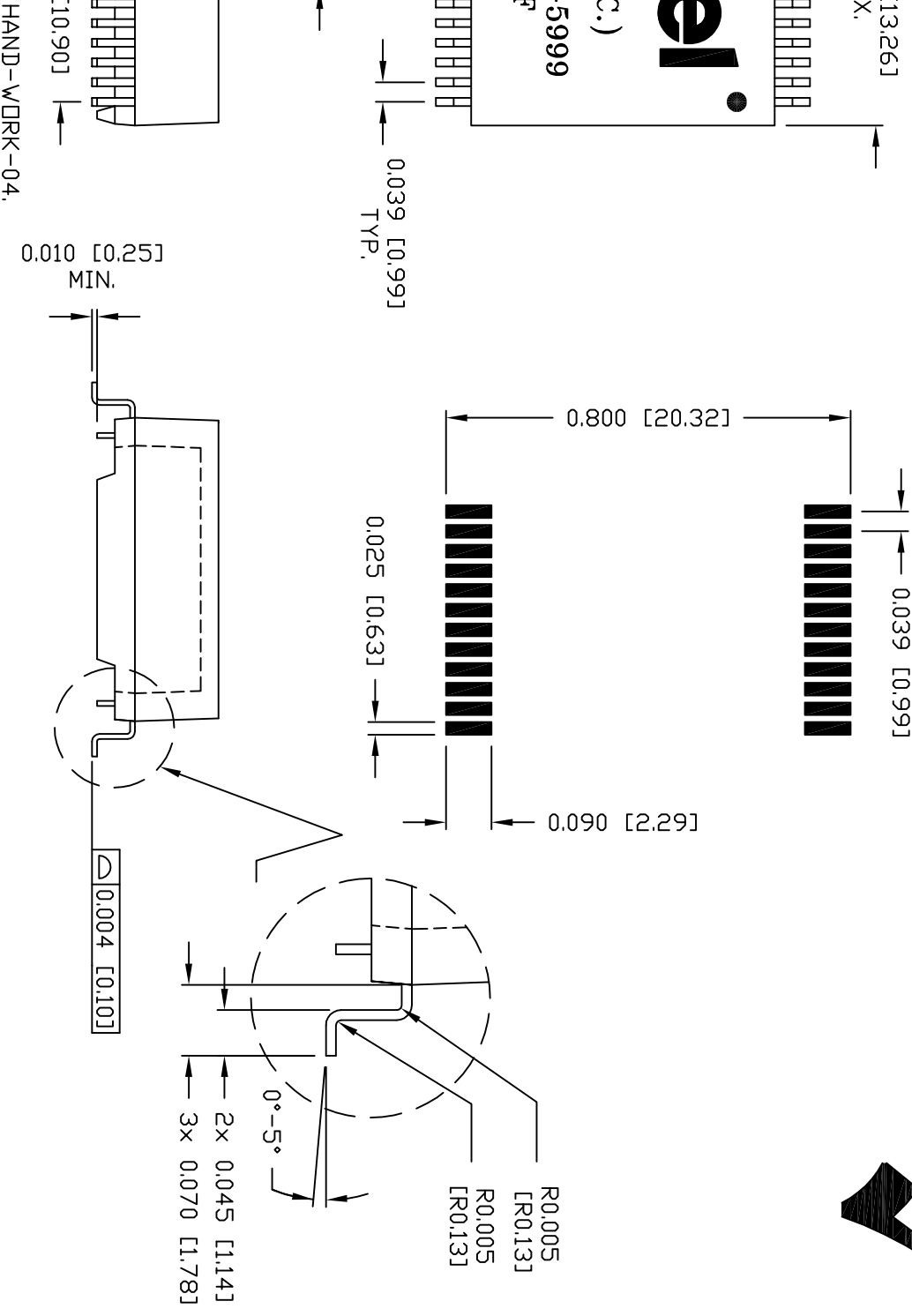
HERNET MAGNETICS		PART NO. / DRAWING NO.		STANDARD DIM.		[ ] METRIC DIM. AS REF.		REV. : A		PAGE : 2	
5999-AB-F		S558-5999-AB-F		TOL. IN INCH		UNIT : INCH [mm]		SCALE : N/A		SIZE : A4	
		FILE NAME		.X				⊕			
		S5585999ABFA.DWG		.XX							
				.XXX							



POWER | PROTECT | CONNECT



SUGGESTED PCB PAD LAYOUT



ICAL DRAWING  
5999-AB-F

PART NO. / DRAWING NO.  
S558-5999-AB-F  
FILE NAME  
S5585999ABFA.DWG

STANDARD DIM. [ ] METRIC DIM. AS REF.  
TOL. IN INCH  
.X  
.XX ±0.01  
.XXX ±0.005



UNIT : INCH [mm]  
SCALE : N/A  
SIZE : A4

REV. : A PAGE : 3



## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View S558-5999-AB-F on WIN SOURCE](#)
-  [Bel Fuse Inc. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

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-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management