



THE DATASHEET OF
S558-5500-25-F





ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

PIN 1-2-3 : 16-15-14
 PIN 6-7-8 : 11-10-9
 DCL (0°~70°C)

1CT : 1CT
 1CT : 1CT
 350 μH MIN.

LINE SIDE

TX PIN 1-3 OPEN 16-14
 RX PIN 6-8 OPEN 11-9
 LEAKAGE INDUCTANCE, LL
 TX PIN 1-3 SHORT 16-14
 RX PIN 6-8 SHORT 11-9

@ 100KHZ, 100mV_{rms}
 WITH 8mA DC BIAS
 0.30 μH MAX.
 @ 1MHZ, 20mV

•16 TX+

•15 TXCT

•14 TX-

INTERWINDING CAPACITANCE, CW/W

30 pF MAX.
 @ 1MHZ, 20mV

•13

PIN (1-3) ; (6-8)

1.1 Ohm MAX.

INSERTION LOSS

1 MHZ TD 100 MHZ
 RETURN LOSS

1.2 dB MAX.

•12

•11 RX+

1 MHZ - 30 MHZ
 30 MHZ -60 MHZ
 60 MHZ - 80 MHZ

18 dB MIN.
 18-20 LOG (f/30MHZ)
 12 dB MIN.

•10 RXCT

COMMON TD DIFFERENTIAL

35 dB MIN.

•9 RX-

100 KHZ - 100 MHZ
 CROSSTALK
 100 KHZ - 100 MHZ
 HIPOT

35 dB MIN.

LEAKAGE CURRENT LESS THAN 1mA AT 1500VAC

INTERFACE MODULE
 58-5500-25-F

PART NO. / DRAWING NO.
 S558-5500-25-F
 FILE NAME
 S558550025FA.DWG

STANDARD DIM.
 TOL. IN INCH
 .X
 .XX
 .XXX

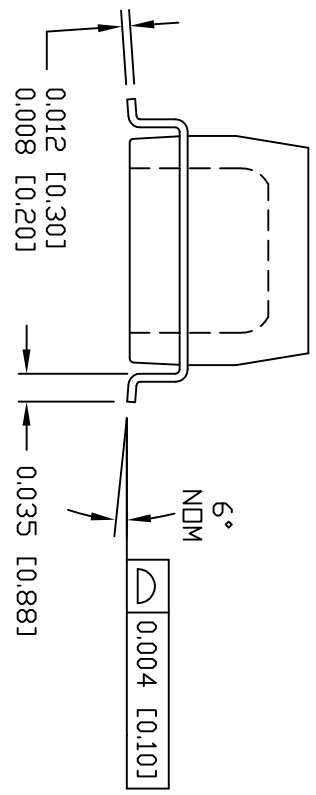
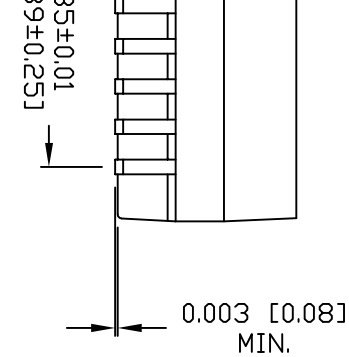
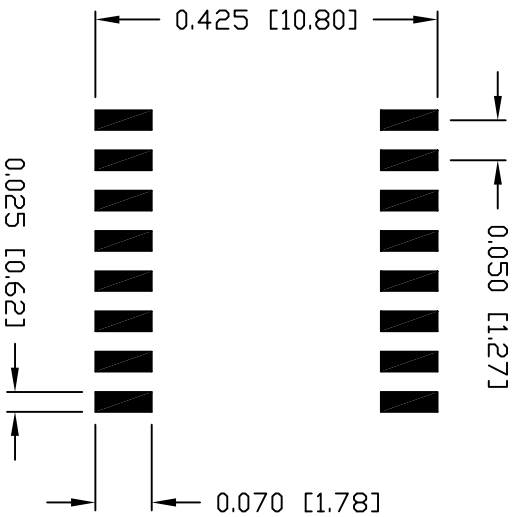
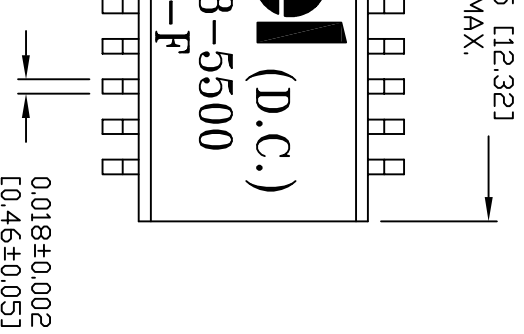
[] METRIC DIM. AS REF.
 UNIT : INCH [mm]
 SCALE : N/A
 SIZE : A4

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POWER | PROTECT | CONNECT



SUGGESTED PCB PAD LAYOUT



HAND-WORK-04.

MECHANICAL DRAWING
S5500-25-F

PART NO. / DRAWING NO.
S558-5500-25-F
FILE NAME
S558550025FA.DWG

| STANDARD DIM. | |
|---------------|--------|
| TOL. IN INCH | |
| .X | |
| .XX | ±0.01 |
| .XXX | ±0.005 |

[] METRIC DIM. AS REF.
UNIT : INCH [mm]
SCALE : N/A
SIZE : A4



REV. : A PAGE : 3



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