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DC002(2)120214

## ELECTRICAL CHARACTERISTICS @ 25°C



SCHEM	<u>ATIC</u>
CHIP SIDE	LINE SIDE
TD+ 1 • 1CT : 1CT	→ 16 TX+
TCT 2 €	15 TXCT
TD- 3 ←	14 TX-
4 •	•13
5•	• 12
RD+ 6 • 1CT : 1CT	11 RX+
RCT 7	10 RXCT
RD- 8	9 RX-

TURNS RATIO	
PIN 1-2-3 : 16-15-14	107 - 107
	1CT : 1CT
PIN 6-7-8 : 11-10-9	1CT : 1CT
□CL (0°~70°C)	350 $\mu$ H MIN.
T× PIN 1-3 □PEN 16-14	@ 100kHz, 100mVrms
R× PIN 6-8 □PEN 11-9	WITH 8mA DC BIAS
LEAKAGE INDUCTANCE, LI	0.30 $\mu$ H MAX.
T× PIN 1-3 SHORT 16-14	@ 1MHz, 20m∨
R× PIN 6-8 SHORT 11-9	
INTERWINDING CAPACITANCE, Cw/w	30 pF MAX.
	@ 1MHz, 20m∨
T× PIN 1-3 TO 16-14	
Rx PIN 6-8 TO 11-9	
DCR	
PIN (1-3); (6-8)	1.1 □hm MAX.
INSERTION LOSS	
1 MHz T□ 100 MHz	1.2 dB MAX.
RETURN LOSS	
1 MHz - 30 MHz	18 dB MIN.
30 MHz -60 MHz	18-20 LOG (f/30MHz)
60 MHz - 80 MHz	12 dB MIN.
COMMON TO DIFFERENTIAL	35 dB MIN.
100 kHz - 100 MHz	

35 dB MIN.

							REV. : A
ORIGINATED BY	DATE	TITLE		PART NO. / DRAWING NO.	STANDARD DIM	[. ] METRIC DIM. AS REF.	المعاليات المعاليات
Alice Pang	2021-01-26		VEID INTEREASE MERIII E	S558-5500-25-F	TOL. IN INCH UNIT : INCH [mm]		
DRAWN BY	DATE	1	VOIP INTERFACE MODULE	FILE NAME	.X	SCALE: N/A	7
			S558-5500-25-F		.xx   /	,	POWER
ZC Guo	2021-01-26			S558550025FA.DWG	YYY /	$\neg  \bigoplus     \text{SIZE} : A4  $	

HIPOT

CROSSTALK

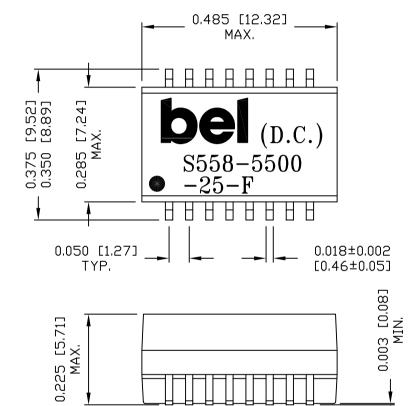
100 kHz - 100 MHz

POWER | PROTECT | CONNECT

PAGE: 2

LEAKAGE CURRENT LESS THAN 1mA AT 1500VAC

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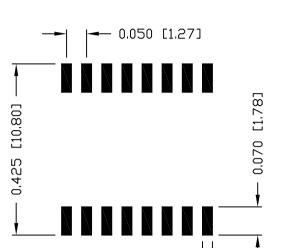


0.35±0.01

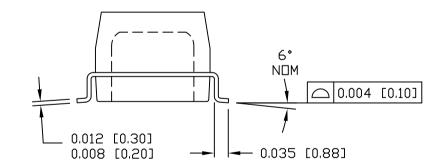
[8.89±0.25]

## SUGGESTED PCB PAD LAYOUT

RoHS



0.025 [0.62] -



## NOTES:

DC002(2)120214

- 1. STANDARD MARKING REFER TO DOC. HAND-WORK-04.
- 2. PACKAGE CODE: "QBS001".

E. LACKAGE CODE. AD3001.						REV. : A	PAGE: 3
ORIGINATED	BY DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[ ] METRIC DIM. AS REF.	<u>الإنتاني</u> ن ا	
Lawrence	Tsang 2021-01-26	MECHANICAL BRAVING	S558-5500-25-F	TOL. IN INCH	UNIT : INCH [mm]		20
DRAWN BY	DATE	MECHANICAL DRAWING S558-5500-25-F	FILE NAME	.X ±0.01	SCALE: N/A		
ZC Guo	2021-01-26		S558550025FA.DWG	.XXX ±0.005	SIZE : A4	POWER   P	PROTECT   CONNECT

## **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

S558-5500-25-F