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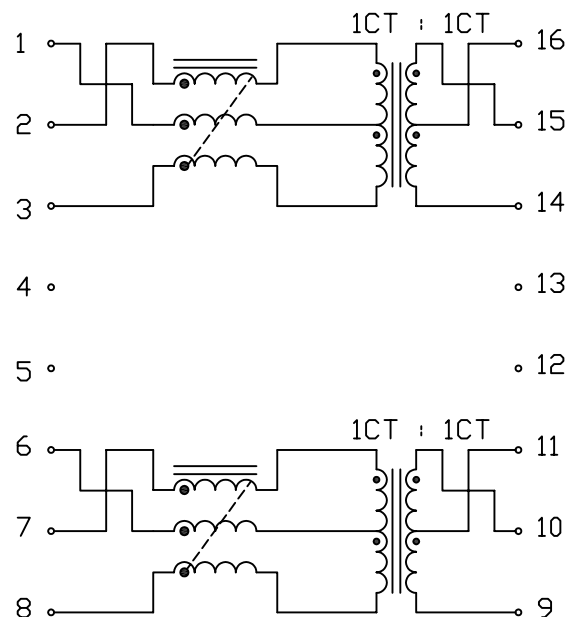
ELECTRICAL CHARACTERISTICS @25°C

RoHS



SCHEMATIC

PHY SIDE LINE SIDE



DC RESISTANCE

(2-3), (7-8)	1.00 Ω M MAX
(1-3), (6-8)	0.75 Ω M MAX
(15-14), (10-9)	0.50 Ω M MAX
(16-14), (11-9)	0.30 Ω M MAX

TURNS RATIO

(2-1-3) : (15-16-14)
(7-6-8) : (10-11-9)

1CT : 1CT $\pm 2\%$
1CT : 1CT $\pm 2\%$

POLARITY

PER DOT CONVENTION

OCL

-40°C TO +85°C
-40°C TO +85°C

@100kHz, 100mV

350uH MIN WITH 11mA DC BIAS
120uH MIN WITH 19mA DC BIAS

INTERWINDING CAPACITANCE, Cw/w

@1MHz, 20mV
30pF MAX

INSERTION LOSS

0.3MHz - 1MHz
1MHz - 65MHz
65MHz - 100MHz
100MHz - 125MHz

1.1dB MAX
0.8dB MAX
1.0dB MAX
1.2dB MAX

RETURN LOSS @100 Ω M

0.5MHz - 40MHz
40MHz - 100MHz

18dB MIN
12-20LOG(f/80MHz)dB MIN

CROSSTALK

0.3MHz - 100MHz

33-20LOG(f/100MHz)dB MIN

CM TO CM REJ

0.3MHz - 100MHz

30dB MIN

CM TO DM REJ

0.3MHz - 100MHz

35dB MIN

BALANCED DC LINE CURRENT

720mA MAX @57VDC CONTINUOUS
1.2A MAX @57VDC FOR 200ms

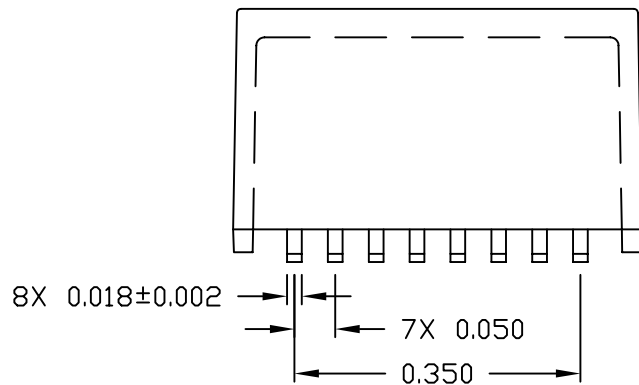
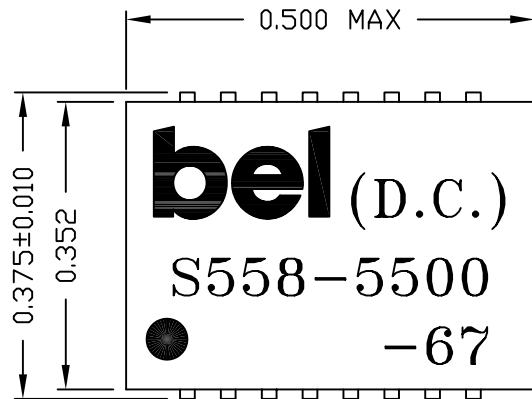
HIPOT

1500 Vrms

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REF.	REV. : B	PAGE : 2
Alice Pang	2015-05-19	ELECTRICAL SPECIFICATION	S558-5500-67	TOL. IN INCH	UNIT : INCH [mm]	 POWER PROTECT CONNECT	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A		
ZC Guo	2015-05-19		S558550067B.DWG	.XX	SIZE : A4		
				.XXX			



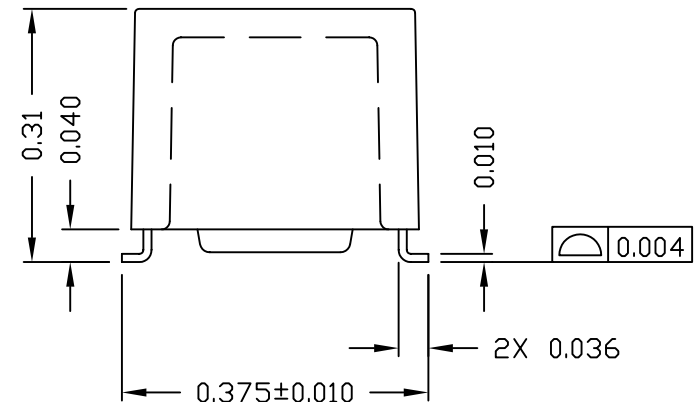
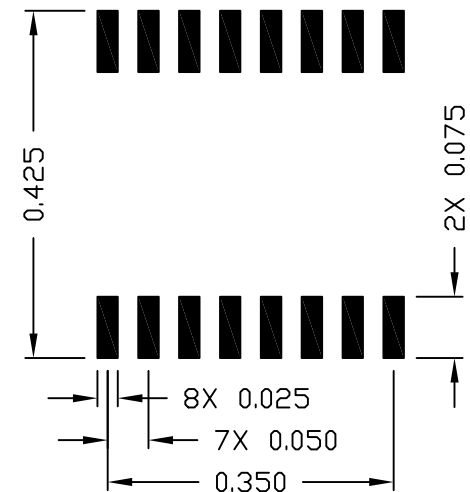
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NOTES :

1. STANDARD MARKING REFER TO DDC-HAND-WORK-04
2. PACKAGE CODE : "RPS002"

SUGGESTED PCB PAD LAYOUT



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REF.		 POWER PROTECT CONNECT
Lawrence Tsang	2015-05-19		S558-5500-67	TOL. IN INCH		UNIT : INCH [mm]		
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A		
ZC Guo	2015-05-19			.XX	±0.01	SIZE : A4		
				.XXX	±0.005			
		MECHANICAL OUTLINE	S558550067B.DWG					

Mouser Electronics

Authorized Distributor

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Bel:

[S558-5500-67](#)