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ELECTRICAL CHARACTERISTICS



			\=\\\\ ==			
TCTD	1 •	<u>SC</u> F	<u>HEMATIC</u>		→ 24	ТХТД
TPOND	2•				23	TXOND
TPOPD	3 •——	_୬ ६	٦٠٠٠	<u> </u>	22	TXOPD
тстс	4 •				→ 21	TXTC
TPONC	5•			<u> </u>	20	TXDNC
TPOPC	6 •——	_•] •		<u> </u>	1 9	TXOPC
тств	7 •				1 8	ТХТВ
TPONB	8 •			<u></u>	1 7	TXONB
TPOPB	9 •——	_•••••		٩	1 6	TXOPB
TCTA	10 •				→ 15	TXTA
TPONA	11 -	311/2		<u>{</u>	→ 14	TXDNA

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

350μH MIN, AT 100kHz, 100mV

WITH 8mA DC BIAS -40°C TD +85°C

INSERTION LOSS 1.1dB MAX. @ 0.1 MHz 0.5dB MAX, @ 1 MHz 0.8dB MAX. @ 65 MHz 1.0dB MAX, @ 100 MHz 1.5dB MAX. @ 125 MHz

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

@ 40 TO 100 MHz

COMMON TO COMMON REJECTION 30dB MIN. @ 0.1 TO 100 MHz

CROSSTALK @ 1-100 MHz

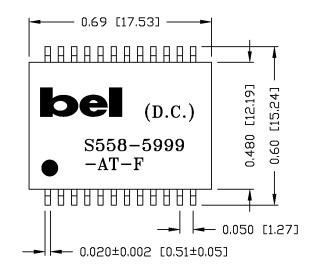
 $33-20L\Box G (f/100 MHz) dB MIN.$

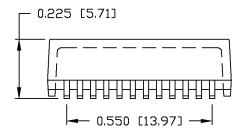
HIPOT PER HAND-WORK-03

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS	REFERENCE
Н□	04-12-06	1000BASE-T MAGNETIC MODULES	X5585999AT-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE	1000BASE-T MAGNETIC MODULES S558-5999-AT-F	FILE NAME	.X .XX	SCALE: N/A	SIZE: A4
DQ Chen	04-12-06	3336-3333-A1-F	X5585999ATFA.DWG	.xxx		PAGE: 2



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NOTES:

- 1. STANDARD MARKING REFER TO DOC. HAND-WORK-04.
- 2. PACKAGE CODE: "RQS001".

2X 0.060 [1.5 0.004 [0.10]						
/ DRAWING NO.	STANDA	ARD DIM.	[] METRIC DIM	. AS REFER	RENCE	
85999AT-F	TOL. IN INCH		UNIT : INCH [m	m] REV. :	: A	be
	.X		SCALE: N/A	SIZE :		COMPONENTS
000ATEA DV.	.XX	±0.01	A —			CONNE
999ATFA.DWG	.XXX	±0.005		PAGE	: 3	
generated. This is a co	ntrolled co	py if used int	ernally			

SUGGESTED PCB PAD LAYOUT

0.030 [0.77] -

[1,78]

R0.008 [R0.20]

0°-5°

- 2X 0.035 [0.89]

R0.010 [R0.25]

ORIGINATED BY	DATE	TITLE
Lawrence	04-12-06	
DRAWN BY	DATE	
DQ Chen	04-12-06	

MECHANICAL DRAWING S558-5999-AT-F

PART NO. / X558 FILE NAME X55859

0.050 [1.27]

251



Mouser Electronics

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

Bel:

S558-5999-AT-F