



ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

PARAMETER	SPECIFICATIONS	
QUALIFICATION	PER AEC-Q200	
DESIGN CONSTRUCTION	FUNCTIONAL INSULATION	
CREEPAGE DISTANCE	> 10mm	
OPERATING TEMPERATURE	-40°C TO 125 °C	
TURNS RATIO	1.00 ± 2%	
POLARITY	PER SCHEMATIC	
DC RESISTANCE	TRANSFORMER SIDE	CM CHOKE SIDE
	0.45 OHMS MAX	0.85 OHMS MAX
INDUCTANCE (OCL) AT 100 kHz, 100 mV (-40°C TO +125°C)	150 uH MIN, 450 uH MAX	
LEAKAGE INDUCTANCE	0.50 uH MAX @ 100 kHz	
INSERTION LOSS	0.25 dB MAX @ 4 MHz	
RETURN LOSS (Z OUT = 100 OHM ±1%)	20 dB MIN @ 4 MHz	
CROSSTALK, ADJACENT CHANNELS	-50 dB MIN @ 4 MHz	
COMMON MODE REJECTION RATIO	1-10 MHz	10-1000 MHz
	-35 dB MIN	-20 dB MIN
INPUT - OUTPUT ISOLATION	4300 VDC OR 3100 VAC FOR 60 SECONDS WITH 1.0 mA MAX OF LEAKAGE CURRENT	
INSULATION RESISTANCE	400 MEGAOHMS MINIMUM	
WORKING VOLTAGE	1600 VDC FOR 15 YEARS	

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
TRANSFORMER/CMC,DUAL,4.3kV,SMT	HM2102NL-12	PS-01527.001-A	2 OF 2	HM2102NL	0

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