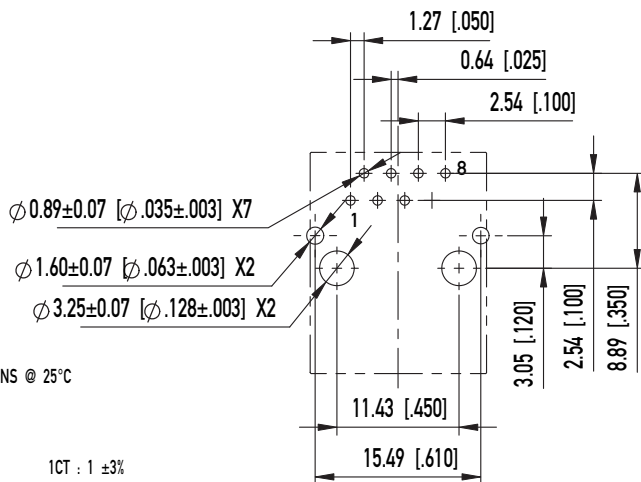
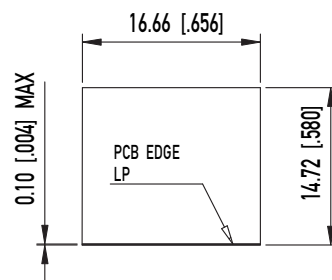


RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFOLLENER FUER LEITERPLATTE (BESTUECKUNGSSEITE)

TOL ±0.05 [.002] UNLESS NOTED



RECOMMENDED PANEL CUTOUT
EMPFOLLENER FRONTPLATTEN AUSSCHNITT



MAGNETICS SPECIFICATIONS @ 25°C

AUTO MDIX COMPATIBLE

URNS RATIO:

(P1-P2 : J1-J2) 1CT : 1 ±3%
(P3-P6 : J3-J6) 1CT : 1 ±3%

OCL(100 KHz, 0.1 Vrms, 8 mA)

(P1-P2 : P3-P6) 350µH MIN

DCR (P1-P2, P3-P6) 0.9 OHMS MAX

INSERTION LOSS:

0.1-100 MHz -1.1 dB MAX

RETURN LOSS:

0.5 - 30 MHz: -18 dB MIN
40 MHz: -15.5 dB MIN
50 MHz: -13.6 dB MIN
60 - 80 MHz: -12 dB MIN

CROSSTALK:

1-100 MHz -40 dB TYP

CMR:

0.1 - 30 MHz -50 dB TYP
30 - 60 MHz -40 dB TYP
60 - 100 MHz -35 dB TYP

ISOLATION

1500 Vrms

MATERIALS AND FINISH

HOUSING: GLASS FILLED POLYESTER UL 94 V-0 BLACK

SHIELDING: Cu ALLOY, PLATED WITH Ni

CONTACTS: PHOSPHOR BRONZE

CONTACT FINISH: Au, 0.8 µm (30 µin) OVER Ni

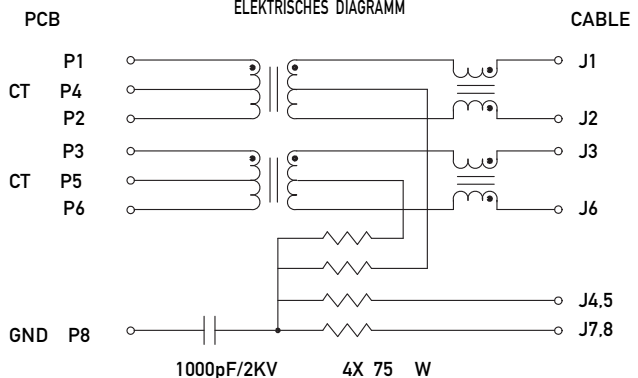
TERMINAL FINISH: SnPb

MECHANICAL CHARACTERISTICS

DURABILITY: 1000 MATING CYCLES

OPERATING TEMPERATURE: 0°C TO 70°C

ELECTRICAL SCHEMATIC M3D01
ELEKTRISCHES DIAGRAM



NOTE 1: SIDE SHIELD TABS IN REAR 3.05mm (R)

Information:	Tolerances	Scale	2:1
	All Dimensions in mm		
All rights reserved. Only for Information. To ensure that this is the latest version of this drawing, please contact one of the ERNI companies before using.	Subject to modification without prior notice. Drawing will not be updated.	Designation	
		MOD JACK - MJIM 8C7T, 1X1, INTEGRATED MAGNETICS	
b Rev.	02JUL04 Date	ERNI www.ERNI.com	203281
			1 (1/1) A3
Class		MAXMJ	