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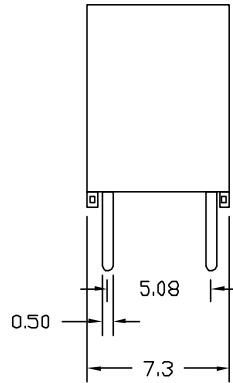
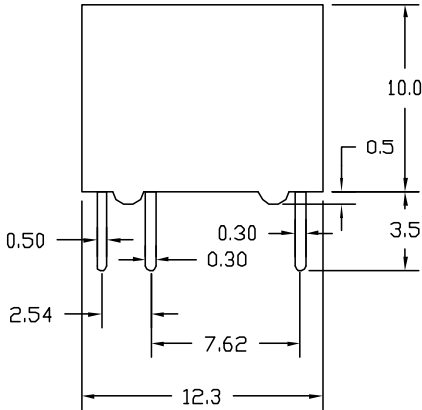
SPC-F005.DWG

REVISIONS

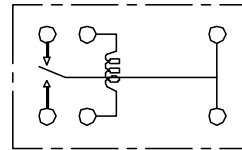
DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1997	A	Released	JN	11/13/08	JWM	11/13/08	JWM	11/13/08

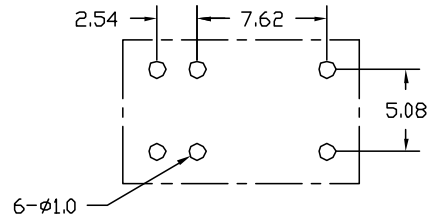
DIMENSIONS



WIRING DIAGRAMS



MOUNTING HOLE LAYOUT



GENERAL DATA

- Insulation Resistance: Min. 1,000M Ohms 500VDC
- Surge Strength: 1,500VAC
- Operate Time: Max. 5ms
- Release Time: Max. 5ms
- Operate Temperature: -40 ~ +70°C (no frost)
- Shock Resistance:
 - Endurance - 1,000m/s²
 - Misoperation - 100m/s²
- Vibration Resistance:
 - Endurance - 10 -55Hz, double amplitude 1.5mm
 - Misoperation - 10 -55Hz, double amplitude 1.5mm
- Humidity: 35% -95%RH, +40°C
- Weight: Approximately 2.2g
- Safety: UL file No. E326578

CONTACT DATA

- Contact Form: C-1 form C
- Contact Material: AuAg
- Contact Rating (Resistance): 1A 120VAC/30VDC
- Max. Switching Voltage: 125VAC/30VDC
- Max. Switching Current: 1A
- Max. Switching Power: 120VA, 30W
- Max. Switch Load: 5VDC, 10mA
- Contact Resistance: Max. 50m Ohms (6VDC 1A)
- Life:
 - Electrical - 100,000 operations
 - Mechanical - 5,000,000 operations

COIL DATA

- Nominal Voltage: 3.5, 6, 9, 12, 24VDC
- Coil Resistance: Refer to Coil Data Chart
- Operate Voltage: Refer to Coil Data Chart
- Release Voltage: Refer to Coil Data Chart
- Nominal Power: 150mW, 175mW (24VDC)

Mfg. P/N	Nominal Voltage VDC	Coil Resistance Ohm +/-10%	Operate Voltage <VDC	Release Voltage >VDC	Coil Power mW
MC25120	5	167	3.5	0.5	150
MC25122	12	960	8.4	1.2	
MC25121	24	3291	16.8	2.4	

DISCLAIMER: ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.

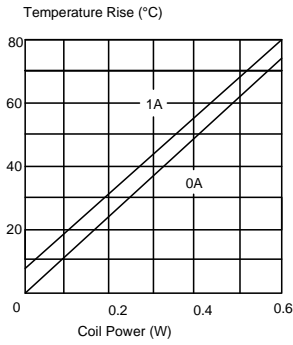
TOLERANCES:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

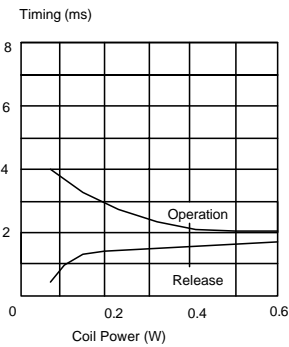
DRAWN BY:	DATE:
Jason Nash	11/13/08
CHECKED BY:	DATE:
Jeff McVicker	11/13/08
APPROVED BY:	DATE:
Jeff McVicker	11/13/08

DRAWING TITLE:			
Automotive Relay			
SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	Ta-1078	Ta-1078.dwg	A
SCALE: NTS	U.O.M.: INCHES [mm]	SHEET: 1 OF 2	

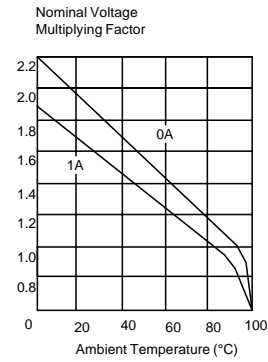
Coil Temperature Rise



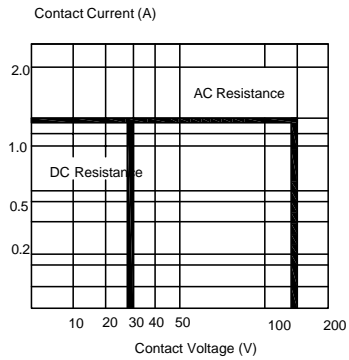
Timing



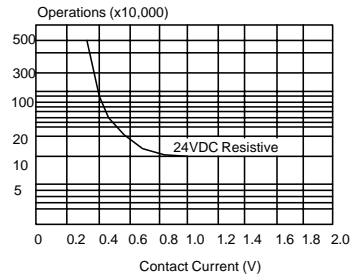
Operating Range



Max. Switching Power



Life Curves



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SIZE
A

DWG. NO.
Ta-1078

ELECTRONIC FILE
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REV
A

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SCALE: NTS

U.O.M.: Millimeters

SHEET: 2 OF 2