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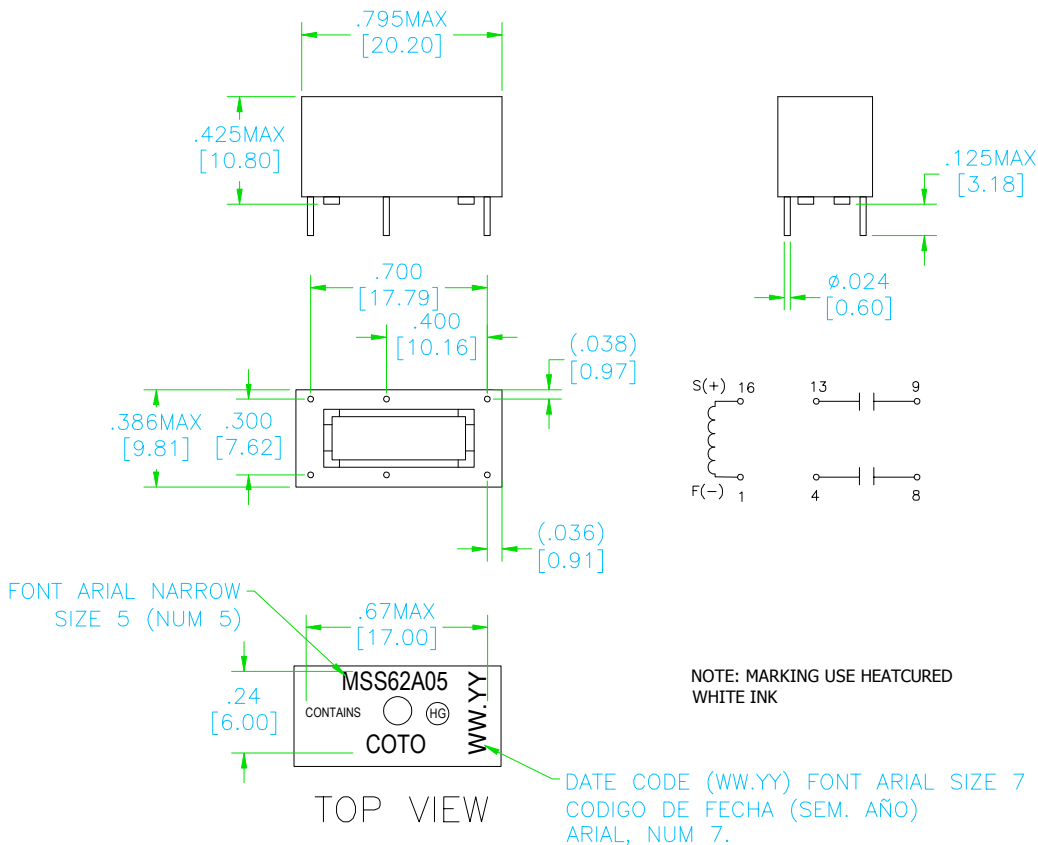
ELECTRICAL

TEST PARAMETERS		TEST CONDITIONS (note 1)	MIN.	NOM.	MAX.	UNITS
COIL RESISTANCE			72	80	88	OHMS
NOMINAL VOLTAGE				5	9	VOLTS
MUST OPERATE		@25°C			3.75	VOLTS
MUST RELEASE			0.5			VOLTS
SWITCHING VOLTAGE					500	VOLTS
SWITCHING CURRENT					1	AMPS
CARRY CURRENT					3	AMPS
CONTACT RATING (SWITCHING)					50	WATTS
LIFE EXPECTANCY	SIGNAL LOAD	1 VOLT, 10 mAMPS		200		X10 ⁶ OPS
	MEDIUM LOAD	50 VOLTS, 1 AMP		1		X10 ⁶ OPS
	HIGH LOAD	500 VOLTS, 100mAMPS		5		X10 ⁶ OPS
STATIC CONTACT RESISTANCE		0.050 VOLTS , 10 Ma 50 mSec AFTER COIL ENERG.			.150	OHMS
CONTACT MATERIAL				Hg		
DYNAMIC CONTACT RESISTANCE		0.50 VOLTS , 50 Ma 100 Hz 1.5 mSec.			N/A	OHMS
INSULATION RESISTANCE	ACROSS OPEN CONTACTS	BETWEEN ALL ISOLATED PINS AT 500V, 25°C, 40%RH	10 ⁸			OHMS
	CONTACT GAP					ρF
CAPACITANCE	OPEN CONTACTS	COIL FLOATING			1.2	ρF
CAPACITANCE	CONTACT TO COIL				3.2	ρF
DIELECTRIC STRENGTH	CONTACT GAP	DC/ PEAK AC		2000		VOLTS
	CONTACT TO SHIELD	DC/ PEAK AC		N/A		VOLTS
	CONTACT TO COIL	DC/ PEAK AC		1400		VOLTS
OPERATE TIME (NO BOUNCE)		AT NOMINAL VOLTAGE 10 Hz SQUARE WAVE		1.2	1.75	mSEC
RELEASE TIME		ZENER DIODE SUPPRESION		1.2	1.7	mSEC
ENVIRONMENTAL						
STORAGE TEMPERATURE			-40		+105	° C
OPERATING TEMPERATURE			-20		+70	° C

NOTES:

1. All parameters specified per EIA/NARM standards for dry reed relays NO RS-421 & RS-436 unless otherwise noted, all parameters specified @ 25 deg. C & 40% R.H.

REVISION HISTORY					
ZONE	REV	ECN	DESCRIPTION	DATE	REV BY
N/A	A	09-0760	UPDATED TO NEW FORMAT; DERIVED FROM SRC DRAWING 1023-1013 AND DATASHEET	4/6/2009	JWG



NOTE: MARKING USE HEATCURED WHITE INK

APPROVALS REQUIRED		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES XX ± .010 XXX ± .005 XXXX ± .001 FRACTIONS = 1/64 ANGLES ± 1/2	71 SERVICE RD, SUITE301, BLDG2 WARWICK, RI 02886 USA PH: 401.943.2686 www.COTORELAY.com	
DRAWN BY JWG	DATE 4/6/2009		<p>THIRD ANGLE PROJECTION DO NOT SCALE THIS DRAWING</p>	
CHECKED BY	DATE			
QA APPROVAL BY	DATE			
MFG APPROVAL BY	DATE			
ENG APPROVAL BY	DATE			
MATERIAL N/A	FINISH N/A			
		COTO DWG NAME MERCURY WETTED CONTACT RELAY 2 FORM A		
		COTO DWG# 0183-MSS6-2A05		
		CUST./SUPL. NAME N/A		
		CUST./SUPL. DWG# N/A		
		SIZE B	SCALE FOR SERIES 2:1 MSS6	SHEETS 1 OF 1

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