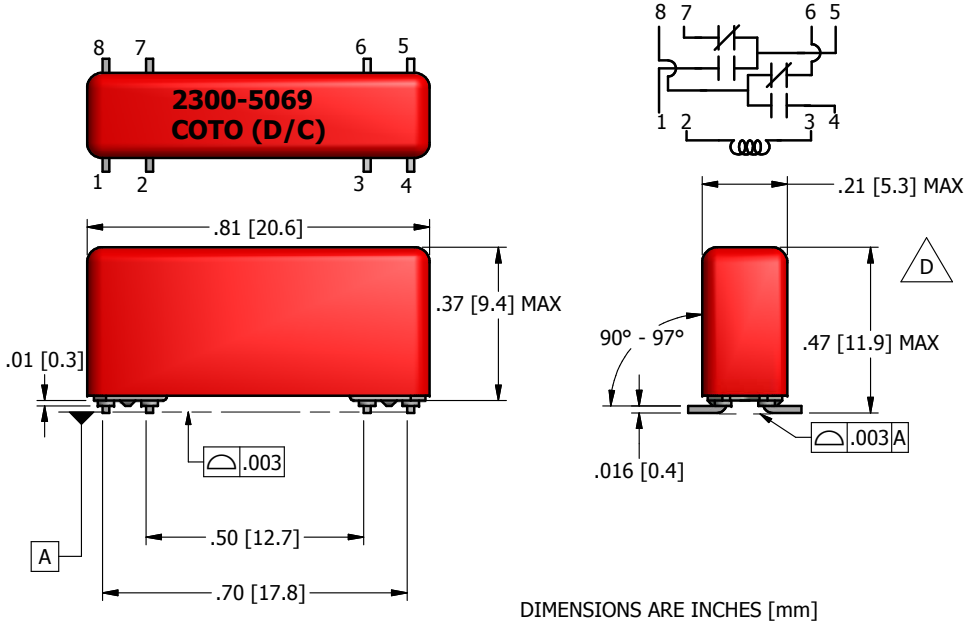
METRIC	TEST CONDITIONS	UNITS	VALUE
COIL SPECIFICATIONS			
NOMINAL COIL VOLTAGE		VDC	5
COIL RESISTANCE	±10% @ 25°C, 40% RH	Ω	90
OPERATE VOLTAGE	MUST OPERATE BY	VDC-MAX	2.5
RELEASE VOLTAGE	MUST RELEASE BY	VDC-MIN	0.4
CONTACT RATINGS			
SWITCHING VOLTAGE	MAX DC/PEAK AC RESISTIVITY	VOLTS	100
SWITCHING CURRENT	MAX DC/PEAK AC RESISTIVITY	AMPS	0.25
CARRY CURRENT	MAX DC/PEAK AC RESISTIVITY	AMPS	0.5
CONTACT RATING	MAX DC/PEAK AC RESISTIVITY	WATTS	3
TYPICAL LIFE EXPECTATION[1]	SIGNAL LEVEL 1.0V, 10mA	10^6 OPS	100
STATIC CONTACT RESISTANCE INITIAL MAX	50mV, 10mA	Ω	0.200
DYNAMIC CONTACT RESISTANCE INITIAL MAX	50mV, 10mA @ 100Hz, 1.5ms	Ω	0.250
RELAY SPECIFICATIONS			
INSULATION RESISTANCE MINIMUM	BETWEEN ALL ISOLATED PINS @ 100V, 25°C, 40% RH	Ω	10^9
CAPACITANCE- TYPICAL ACROSS OPEN CONTACTS	NO SHIELD SHIELD GUARDING	pF	2.0 N/A
DIELECTRIC STRENGTH MINIMUM	BETWEEN CONTACTS CONTACTS TO SHIELD CONTACTS/SHIELD TO COIL	VDC/PEAK AC	200 N/A 1000
OPERATE TIME- INCLUDING BOUNCE	30Hz @ NOMINAL COIL VOLTAGE	ms	1.5
RELEASE TIME- TYPICAL	ZENER-DIODE TYPICAL[2]	ms	2.0

NOTES:
1. CONSULT FACTORY FOR LIFE EXPECTANCY AT OTHER SWITCHING LOADS.
2. CONSISTS OF 56V ZENER DIODE AND 1N4148 DIODE IN SERIES, CONNECTED IN PARALLEL WITH THE COIL.

ENVIRONMENTAL RATINGS:
STORAGE TEMP.: -20°C TO 125°C
OPERATE TEMP.: -20°C TO 125°C
REFLOW SOLDER TEMP.: 255°C MAX @ 20 SEC. MAX.
THE OPERATE/RELEASE VOLTAGE AND COIL RESISTANCE ARE SPECIFIED @ 25°C. THESE VALUES MAY VARY BY APPROXIMATELY 0.4%/°C AS THE AMBIENT TEMPERATURE VARIES.
VIBRATIOIN: 20G'S TO 2000Hz; SHOCK: 50G'S

REVISION HISTORY

ZONE	REV	ECN	DESCRIPTION	DATE	REV BY
N/A	A	07-0200	PRELIMINARY PRINT FOR REVIEW AND QUOTATION ONLY	8/10/2007	RLE
N/A	B	08-0020	ADDED COPLANRITY SPECIFICATION AND .016 SQ BENT PINS; CUSTOMER APPROVAL PRINT	01/17/2008	JWG
N/A	C	08-0028	UPDATED PRINT TO REFLECT BOBBIN CHANGES; PINS ARE NOW FLUSH AGAINST STANDOFFS; .41 MAX WAS .43 MAX; .016 WAS .030	01/29/2008	JWG
A1	D		.47 MAX WAS .41 MAX	12/18/2008	JWG
N/A	E	11-0192	CHANGED SOLDER TEMP TO 200C DEGREE WAS 270C. REMOVED CUSTOMER APPROVAL TEXT	10-11-11	OD
N/A	F	15-0142	CHANGE SOLDER TEMP TO 260C MAX FOR 1 MINUTE DWELL TIME WAS 200C MAX 10s MAX	11/12/15	CR
A4	G	17-XXX	CHANGE SOLDER TEMP TO 255°C MAX @ 20 SEC. MAX WAS 260C MAX FOR 1 MINUTE DWELL TIME	3/30/2017	JB



DIMENSIONS ARE INCHES [mm]

APPROVALS REQUIRED	
DRAWN BY: RLE	DATE: 8/10/2007
CHECKED BY	DATE
QA APPROVAL BY	DATE
MFG APPROVAL BY	DATE
ENG APPROVAL BY	DATE
MATERIAL: N/A	FINISH: N/A

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES
XX = ± .010 XXX = ± .005 XXXX = ± .001
FRACTIONS = 1/64 ANGLES = ± 1/2°
THIRD ANGLE PROJECTION
DO NOT SCALE THIS DRAWING

66 Whitecap Dr.,
N. Kingstown,RI 02852 USA
PH:401.943.2686
www.COTORELAY.com

COTO DWG NAME: 2300 SERIES 2 FORM-C SMD			
COTO DWG#: 2300-5069			REV: G
CUST./SUPL. NAME: FREESCALE MOTOROLA		CUST./SUPL. DWG#: N/A	
SIZE: B	SCALE: 2:1	FOR SERIES: 2300	SHEETS: 1 OF 1

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