

DESCRIPTION: Reed relay 3 form A dry with E/S shield. 5.0 VDC, 350 ohm coil.
Relay is encapsulated in a coated/insulated steel shell.

PART NUMBER

3600-0012

ELECTRICAL


TEST PARAMETERS		TEST CONDITIONS (note 1)	MIN.	NOM.	MAX.	UNITS
COIL RESISTANCE			315	350	385	OHMS
NOMINAL VOLTAGE				5.0		VOLTS
MUST OPERATE					3.75	VDC
MUST RELEASE			0.4			VDC
SWITCHING VOLTAGE					200	VOLTS
SWITCHING CURRENT					0.5	AMPS
CARRY CURRENT					1.0	AMPS
CONTACT RATING (SWITCHING)					10.0	WATTS
LIFE EXPECTANCY	SIGNAL LOAD	1 VOLT 10 mAMPS		100E6		OPERATIONS
	MEDIUM LOAD	CONTACT FACTORY		N/A		OPERATIONS
	HIGH LOAD	CONTACT FACTORY		N/A		OPERATIONS
STATIC CONTACT RESISTANCE		0.050 VOLTS , 10 Ma 50 mSec AFTER COIL ENERG.			0.100	OHMS
DYNAMIC CONTACT RESISTANCE		0.50 VOLTS , 50 Ma 100 Hz 1.5 mSec.			0.200	OHMS
INSULATION RESISTANCE	ACROSS OPEN CONTACTS	AT 100 VDC	Note #2			OHMS
	CONTACT TO COIL					OHMS
	COIL TO SHIELD					OHMS
	CONTACT TO SHIELD					OHMS
CAPACITANCE	CONTACT GAP	SHIELD GUARDED		1.0		pF
CAPACITANCE	OPEN CONTACTS	SHIELD GUARDED		N/A		pF
CAPACITANCE	CONTACT TO COIL	SHIELD GUARDED		N/A		pF
DIELECTRIC STRENGTH	CONTACT GAP	DC/ PEAK AC	300			VOLTS
	CONTACT TO SHIELD	DC/ PEAK AC	1,500			VOLTS
	CONTACT TO COIL	DC/ PEAK AC	1,500			VOLTS
OPERATE TIME (INCLUDING BOUNCE)		AT NOMINAL VOLTAGE 30 Hz SQUARE WAVE			3.0	mSEC
RELEASE TIME (ZENER DIODE SUPPRESSION)					2.0	mSEC
THERMAL EMF (Any Pair of Switches)		Differentially			20	micro V.
STORAGE TEMPERATURE			-35		+100	' C
OPERATING TEMPERATURE			-20		+85	' 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.

#2 Any contact, except electrostatic shield switch, to all pins connected together:
10E13 ohms Min. @ 27°C, 60% R.H.
Electrostatic shield to coil 10E11 ohms Min.

REV. A, 17MAY99: Retyped spec per new format.

	SHEET: 1 OF 2
APPROVAL:	CUST: KEITHLEY
ENG: LMC	CUST P/N N/A
REV. A	TYPE: 3 FORM A .
DATE: 17MAY99	COTO P/N: 3600-0012
	55 DUPONT DR. PROVIDENCE RI