

DESCRIPTION: REED RELAY, 1 FORM A WITH 1800 OHM, 12.0 VDC .

PART NUMBER  
4031-12-3001

ELECTRICAL

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.

TEST PARAMETERS	TEST CONDITIONS (note 1)	MIN.	NOM.	MAX.	UNITS
COIL RESISTANCE		1620	1800	1980	OHMS
NOMINAL VOLTAGE			12.0	16	VOLTS
MUST OPERATE	@25°C			9.0	VOLTS
MUST RELEASE		1.0			VOLTS
SWITCHING VOLTAGE				500	VOLTS
SWITCHING CURRENT				0.5	AMPS
CARRY CURRENT				1.0	AMPS
CONTACT RATING (SWITCHING)				10.0	WATTS
LIFE	1 VOLT 10 mAmps		100E6		OPERATIONS
EXPECTANCY	MEDIUM LOAD		N/A		OPERATIONS
	HIGH LOAD		N/A		OPERATIONS
STATIC CONTACT RESISTANCE	0.050 VOLTS , 10 Ma 50 mSec AFTER COIL ENERG.			.150	OHMS
DYNAMIC CONTACT RESISTANCE	0.50 VOLTS , 50 Ma 100 Hz 1.5 mSec.			N/A	OHMS
INSULATION RESISTANCE	ACROSS OPEN CONTACTS	1E10			OHMS
	CONTACT TO COIL	1E10			OHMS
	COIL TO SHIELD	N/A			OHMS
	CONTACT TO SHIELD	N/A			OHMS
CAPACITANCE	CONTACT GAP		0.2		pF
CAPACITANCE	OPEN CONTACTS		N/A		pF
CAPACITANCE	CONTACT TO COIL		N/A		pF
DIELECTRIC STRENGTH	CONTACT GAP	1200			VOLTS
	CONTACT TO SHIELD	N/A			VOLTS
	CONTACT TO COIL	1500			VOLTS
OPERATE TIME (INCLUDING BOUNCE)			1.0		mSEC
RELEASE TIME (ZENER DIODE SUPPRESSION)	AT NOMINAL VOLTAGE 30 Hz SQUARE WAVE		0.5		mSEC
ENVIRONMENTAL					
STORAGE TEMPERATURE		-40		+100	* C
OPERATING TEMPERATURE		-20		+80	* C

APPROVAL: SHEET: 1 OF 2

ENG: LMC CUST: N/A

REV: N/A CUST P/N N/A

DATE: 4/25/02 TYPE: 1 form A

COTO P/N: 4031-12-3001



55 DUPONT DR.  
PROVIDENCE RI