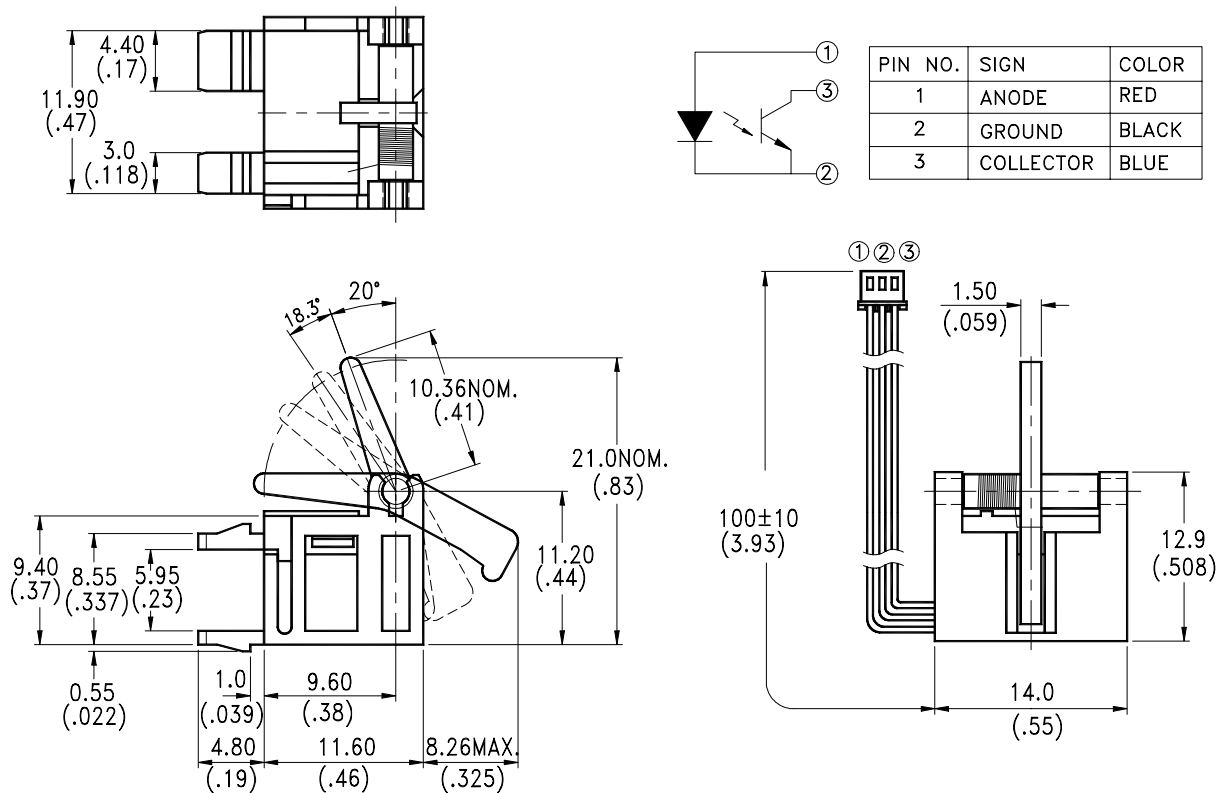


FEATURES

- * SNAP MOUNTING.
- * MECHANICAL SWITCH REPLACEMENT.
- * WIRE OR CONNECTOR FOR ELECTRICAL CONNECTION.
- * CUSTOMIZED LEVER ARM CAN BE DESIGNED FOR SPECIFIC APPLICATION.

PACKAGE DIMENSIONS



NOTES:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25\text{mm} (.010\text{'})$ unless otherwise noted.

ABSOLUTE MAXIMUM RATINGS AT TA=25

PARAMETER	SYMBOL	MAXIMUM RATING	UNIT
INPUT LED			
Power Dissipation	P_D	75	mW
Peak Forward Current (300 pps , 10 μ S pulse)	I_{CP}	1	A
Continuous Forward Current	I_F	60	mA
Reverse Voltage	V_R	5	V
OUTPUT PHOTOTRANSISTOR			
Power Dissipation	P_C	100	mW
Collector-Emitter Voltage	V_{CEO}	30	V
Emitter-Collector Voltage	V_{ECO}	5	V
Collector Current	I_C	20	mA
Operating Temperature Range	T_{opr}	-20 to + 75	
Storage Temperature Range	T_{stg}	-40 to + 85	

ELECTRICAL OPTICAL CHARACTERISTICS AT TA=25

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
INPUT LED						
Forward Voltage	V_F		1.2	1.6	V	$I_F = 20\text{mA}$
Reverse Current	I_R			100	μA	$V_R = 5\text{V}$
OUTPUT PHOTOTRANSISTOR						
Collector-Emitter Breakdown Voltage	$V(\text{BR})_{\text{CEO}}$	30			V	$I_C = 1\text{mA}$
Emitter-Collector Breakdown Voltage	$V(\text{BR})_{\text{ECO}}$	5			V	$I_E = 100\mu\text{A}$
Collector-Emitter Dark Current	I_{CEO}			100	nA	$V_{\text{CE}} = 10\text{V}$
COUPLER						
Collector-Emitter Saturation Voltage	$V_{\text{CE}(\text{SAT})}$			0.4	V	$I_C = 0.25\text{mA}$ $I_F = 20\text{mA}$
On State Collector Current	$I_{\text{C(ON)}}$	0.5	2		mA	$V_{\text{CE}} = 5\text{V}$ $I_F = 20\text{mA}$

TYPICAL ELECTRICAL / OPTICAL CHARACTERISTICS CURVES

(25 Ambient Temperature Unless Otherwise Noted)

Fig.1 Power Dissipation vs. Ambient Temperature

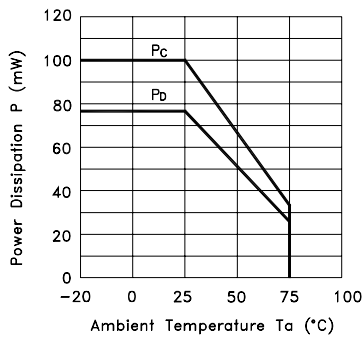


Fig.2 Forward Current vs. Forward Voltage

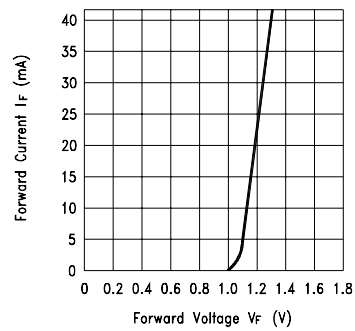


Fig.3 Collector Current vs. Collector-emitter Voltage

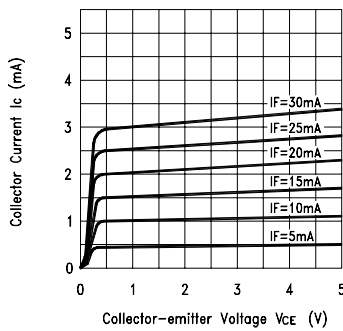


Fig.4 Collector Current vs. Ambient Temperature

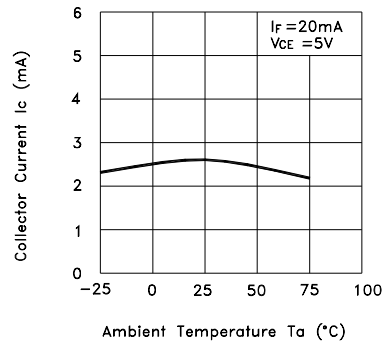


Fig.5 Collector-emitter Saturation Voltage vs. Ambient Temperature

