



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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3

2

1

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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
AD	00	G4 REVISED PER ECO-15-015403	27OCT2015	NK	RH

SPECIFICATIONS

MATERIALS

CASE: THERMOPLASTIC, UL94V-0, BLACK
 ACTUATOR: THERMOPLASTIC, UL94V-0, SEE TABLE
 COVER: NICKEL SILVER
 SEAL: SILICON RUBBER, BLACK
 CONTACT: STAINLESS STEEL, PLATING-SILVER
 TERMINAL: BRASS, PLATING-SILVER/NICKEL

ELECTRICAL

MAX CONTACT RATING: 50MILLIAMPS@24V DC
 MIN CONTACT RATING: 10MICROAMPS@1V DC
 INITIAL CONTACT RESISTANCE: 100 MILLIOHMS MAX, PER EIA RS-448, METHOD 1
 INSULATION RESISTANCE: 100 MEGOHMS MIN @ 100VDC PER EIA RS-186-13E
 DIELECTRIC STRENGTH: 500 VAC 50/60 HZ FOR 1 MINUTE
 CONTACT BOUNCE: 10 MILLISECOND MAX PER EIA-448-18, METHOD 15

MECHANICAL

ACTUATOR OPERATING FORCE: SEE TABLE
 ACTUATOR TRAVEL: 0.35±0.2mm

DURABILITY

UP TO 1,000,000 CYCLES, AT RATED LOAD PER EIA-RS-448, METHOD 8
 FINAL CONTACT RESISTANCE: 200 MILLIOHMS MAX
 CONTACT BOUNCE: 20 MILLISECONDS MAX
 ACTUATOR FORCE: WITHIN ±30% OF INITIAL VALUE

ENVIRONMENTAL

OPERATING TEMPERATURE RANGE: -35°C to +85°C
 STORAGE TEMPERATURE RANGE: -35°C to +85°C
 HUMIDITY: 96 HOURS PER EIA-186-1E
 INSULATION RESISTANCE: 10 MEGOHMS MIN
 DIELECTRIC STRENGTH: 250VAC
 CONTACT RESISTANCE: 100 MILLIOHMS MAX
 DRY HEAT TEST: 85°C FOR 96 HOURS PER IEC 60068-2-2, TEST B,
 NO CHANGE IN INITIAL ELECTRICAL AND MECHANICAL CHARACTERISTICS
 COLD TEST: -35°C FOR 96 HOURS PER IEC 60068-2-1, TEST A;
 NO CHANGE IN INITIAL ELECTRICAL AND MECHANICAL CHARACTERISTICS
 THERMAL CYCLING: 5 CYCLES, -35°C to +85°C
 HUMIDITY-TEMPERATURE CYCLING, EIA 364-31B, METHOD III
 CONTACT RESISTANCE 100 MILLIOHMS MAX
 RESISTANCE TO SOLDERING HEAT PER 109-201, COND B

SEALING PER IP67

SOLDERABILITY: PER EIA-364-52, CLASS 1, CATEGORY 2

1

PARTS TO BE PACKAGED ON TAPE AND REEL PER EIA-481

2

ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)

7.60
7.30
TERMINAL NO. 3
TERMINAL NO. 4

CIRCUIT DIAGRAM

0.10
0.30
1
L±0.20
2.40
2.00
8.80
10.00±0.15

0.70
4.00±0.10

1.00
4 PLC
4.00±0.20
7.80 MAX
12.20

P.C.B MOUNTING SOLDER LAND DIMENSION

1	T&R	Blue	260 +/-50gf	3.10mm	4.50mm	1571294-8
1	T&R	Ivory	160 +/-50gf	3.10mm	4.50mm	1571294-7
1	T&R	RED	260 +/-50gf	3.10mm	4.30mm	1571294-6
	BULK	RED	260 +/-50gf	3.10mm	4.30mm	1571294-5
1	T&R	Black	160 +/-50gf	3.10mm	5.00mm	1571294-4
	BULK	Black	160 +/-50gf	3.10mm	5.00mm	1571294-3
1	T&R	Black	160 +/-50gf	3.10mm	4.30mm	1571294-2
	BULK	Black	160 +/-50gf	3.10mm	4.30mm	1571294-1
	Packaging	Actuator Color	Operating force	DIM I	Dim L	PART NUMBER

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN		CHK		APVD		NAME		SIZE		CAGE CODE		DRAWING NO		RESTRICTED TO	
mm		0 PLC ± -		R BROWN		M SARVER		M SARVER		TE Connectivity		A2		00779		C=1571294		-	
		1 PLC ± -		09DEC02		09DEC02		09DEC02		SWITCH ASSEMBLY, TACTILE, 6mm SEALED, SMT		SCALE		SHEET		1 of 1		REV	
		2 PLC ± 0.30										8:1		1		G4			
		3 PLC ± -																	
		4 PLC ± -																	
		ANGLES ± -																	
MATERIAL		FINISH		WEIGHT		CUSTOMER DRAWING													

1471-9 (3/11)

1571294

B

A