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DIP switch

DIP switch

Operation switch

Terminal block

connector

health care

Metal processed products

DMMS

Ultrasonic bonding technology

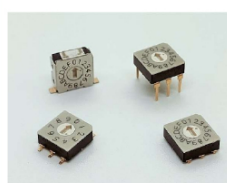
KZ series

Rotary KZ series

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NEW DIP Switches

KZシリーズ 超小型ロータリーディップスイッチ



定格	0.4VA AC-DC20V MAX.
接触抵抗	100mΩ以下
絶縁抵抗	AC250V 1分間 1,000MΩ以上
電気的寿命	10,000ステップ
使用温度範囲	-30~+85℃
保存温度範囲	-30~+70℃
動作力	19.6mN・m MAX
半田付け条件	半半田 コチ先温度 320℃以下 4±1秒
	フロー半田 プレヒート 100~105℃ 30±5秒
	半田温度 265℃±3℃ 8±2秒
	プレヒート 160~190℃ 90~120秒
リフロー半田	リフロー温度 225℃(スイッチ表面) 20~60秒
	ピーク温度 255℃(スイッチ表面)以下
	リフロー回数 2回

品名の呼称

シリーズ名

K Z 1 D C 1 0 V S E

記号	説明	記号	説明	記号	説明	記号	説明	記号	説明	記号	説明	記号	説明	記号	説明
0	タミホ2.54mm フルムグレー レーザー印刷	1	タミホ2.54mm フルムブラック 白印刷	4	タミホ1.27mm フルムブラック レーザー印刷	10	タミホ1.27mm フルムブラック レーザー印刷	10	タミホ1.27mm フルムブラック レーザー印刷	10	タミホ1.27mm フルムブラック レーザー印刷	10	タミホ1.27mm フルムブラック レーザー印刷	10	タミホ1.27mm フルムブラック レーザー印刷
1	タミホ2.54mm フルムブラック 白印刷	2	タミホ2.54mm フルムブラック 白印刷	3	タミホ2.54mm フルムブラック 白印刷	4	タミホ2.54mm フルムブラック 白印刷	5	タミホ2.54mm フルムブラック 白印刷	6	タミホ2.54mm フルムブラック 白印刷	7	タミホ2.54mm フルムブラック 白印刷	8	タミホ2.54mm フルムブラック 白印刷
9	タミホ2.54mm フルムブラック 白印刷	10	タミホ2.54mm フルムブラック 白印刷	11	タミホ2.54mm フルムブラック 白印刷	12	タミホ2.54mm フルムブラック 白印刷	13	タミホ2.54mm フルムブラック 白印刷	14	タミホ2.54mm フルムブラック 白印刷	15	タミホ2.54mm フルムブラック 白印刷	16	タミホ2.54mm フルムブラック 白印刷

材料仕様

部品名	材質	仕上	部品名	材質	仕上
ケース	PPS	黒色	フレーム	銅合金	金フラッシュ
プレート	PPS	グレー・ブラック	Mプレート	銅合金	金めっき
ローター	ICP	白	ホルダー	ステンレス	シルバー
プレート	ステンレス	-			

コード

■：納入時オプション

■2線化10線
778コード

コ	1	2	3	4	5	6	7	8	9
1	●	●	●	●	●	●	●	●	●
2	●	●	●	●	●	●	●	●	●
3	●	●	●	●	●	●	●	●	●
4	●	●	●	●	●	●	●	●	●
5	●	●	●	●	●	●	●	●	●

■2線化10線
コグリットコード

コ	1	2	3	4	5	6	7	8	9
1	●	●	●	●	●	●	●	●	●
2	●	●	●	●	●	●	●	●	●
3	●	●	●	●	●	●	●	●	●
4	●	●	●	●	●	●	●	●	●
5	●	●	●	●	●	●	●	●	●

■2線化10線
グレイコード
【開発検討中】

コ	1	2	3	4	5	6	7	8	9
1	●	●	●	●	●	●	●	●	●
2	●	●	●	●	●	●	●	●	●
3	●	●	●	●	●	●	●	●	●
4	●	●	●	●	●	●	●	●	●
5	●	●	●	●	●	●	●	●	●

■2線化16線
778コード

コ	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

■2線化16線
コグリットコード

コ	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

■2線化16線
グレイコード
【開発検討中】

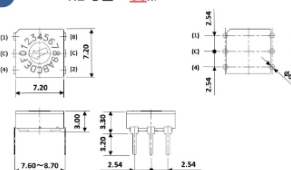
コ	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

カスタム対応(材料色、表示方法 等)承ります。 当社セールスへ問い合わせ下さい。



操作部上面 スルーホールタイプ

KZ*D□**VIM



操作部上面 面実装(ガルウイング)タイプ

KZ*D□**VS□

操作部上面 面実装(Jリード)タイプ

KZ*D□**VL□

操作部側面 面実装(ガルウイング)タイプ

KZ4D□**HS□

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TEL:045-543-5621(代表) FAX:045-542-3503

http://www.otax.co.jp E-mail:sales@otax.co.jp

3D CAD download

KZ4DG16HS_MODEL

Product name	Step	Operation unit direction	Terminal shape	3D CAD
KZ0DC10VLE	Ten	Upper part (V type)	Surface mounting (J lead)	download
KZ1DC10VLE	Ten	Upper part (V type)	Surface mounting (J lead)	download
KZ0DC10VLM	Ten	Upper part (V type)	Surface mounting (J lead)	download
KZ1DC10VLM	Ten	Upper part (V type)	Surface mounting (J lead)	download
KZ0DR10VLE	Ten	Upper part (V type)	Surface mounting (J lead)	download
KZ1DR10VLE	Ten	Upper part (V type)	Surface mounting (J lead)	download
KZ0DR10VLM	Ten	Upper part (V type)	Surface mounting (J lead)	download
KZ1DR10VLM	Ten	Upper part (V type)	Surface mounting (J lead)	download
KZ0DG10VLE	Ten	Upper part (V type)	Surface mounting (J lead)	download
KZ1DG10VLE	Ten	Upper part (V type)	Surface mounting (J lead)	download
KZ0DG10VLM	Ten	Upper part (V type)	Surface mounting (J lead)	download
KZ1DG10VLM	Ten	Upper part (V type)	Surface mounting (J lead)	download
KZ0DC10VSE	Ten	Upper part (V type)	Surface mounting (gull wing)	download
KZ1DC10VSE	Ten	Upper part (V type)	Surface mounting (gull wing)	download
KZ0DC10VSM	Ten	Upper part (V type)	Surface mounting (gull wing)	download
KZ1DC10VSM	Ten	Upper part (V type)	Surface mounting (gull wing)	download
KZ0DR10VSE	Ten	Upper part (V type)	Surface mounting (gull wing)	download
KZ1DR10VSE	Ten	Upper part (V type)	Surface mounting (gull wing)	download
KZ0DR10VSM	Ten	Upper part (V type)	Surface mounting (gull wing)	download
KZ1DR10VSM	Ten	Upper part (V type)	Surface mounting (gull wing)	download
KZ0DG10VSE	Ten	Upper part (V type)	Surface mounting (gull wing)	download

KZ1DG10VSE	Ten	Upper part (V type)	Surface mounting (gull wing)	download
KZ0DG10VSM	Ten	Upper part (V type)	Surface mounting (gull wing)	download
KZ1DG10VSM	Ten	Upper part (V type)	Surface mounting (gull wing)	download
KZ0DC10VTM	Ten	Upper part (V type)	Through hole	download
KZ1DC10VTM	Ten	Upper part (V type)	Through hole	download
KZ0DR10VTM	Ten	Upper part (V type)	Through hole	download
KZ1DR10VTM	Ten	Upper part (V type)	Through hole	download
KZ0DG10VTM	Ten	Upper part (V type)	Through hole	download
KZ1DG10VTM	Ten	Upper part (V type)	Through hole	download
KZ0DC16VLE	16 16	Upper part (V type)	Surface mounting (J lead)	download
KZ1DC16VLE	16 16	Upper part (V type)	Surface mounting (J lead)	download
KZ0DC16VLM	16 16	Upper part (V type)	Surface mounting (J lead)	download
KZ1DC16VLM	16 16	Upper part (V type)	Surface mounting (J lead)	download
KZ0DR16VLE	16 16	Upper part (V type)	Surface mounting (J lead)	download
KZ1DR16VLE	16 16	Upper part (V type)	Surface mounting (J lead)	download
KZ0DR16VLM	16 16	Upper part (V type)	Surface mounting (J lead)	download
KZ1DR16VLM	16 16	Upper part (V type)	Surface mounting (J lead)	download
KZ0DG16VLE	16 16	Upper part (V type)	Surface mounting (J lead)	download
KZ1DG16VLE	16 16	Upper part (V type)	Surface mounting (J lead)	download
KZ0DG16VLM	16 16	Upper part (V type)	Surface mounting (J lead)	download
KZ1DG16VLM	16 16	Upper part (V type)	Surface mounting (J lead)	download
KZ0DC16VSE	16 16	Upper part (V type)	Surface mounting (gull wing)	download
KZ1DC16VSE	16 16	Upper part (V type)	Surface mounting (gull wing)	download
KZ0DC16VSM	16 16	Upper part (V type)	Surface mounting (gull wing)	download
KZ1DC16VSM	16 16	Upper part (V type)	Surface mounting (gull wing)	download
KZ0DR16VSE	16 16	Upper part (V type)	Surface mounting (gull wing)	download
KZ1DR16VSE	16 16	Upper part (V type)	Surface mounting (gull wing)	download
KZ0DR16VSM	16 16	Upper part (V type)	Surface mounting (gull wing)	download
KZ1DR16VSM	16 16	Upper part (V type)	Surface mounting (gull wing)	download
KZ0DG16VSE	16 16	Upper part (V type)	Surface mounting (gull wing)	download
KZ1DG16VSE	16 16	Upper part (V type)	Surface mounting (gull wing)	download
KZ0DG16VSM	16 16	Upper part (V type)	Surface mounting (gull wing)	download
KZ1DG16VSM	16 16	Upper part (V type)	Surface mounting (gull wing)	download
KZ0DC16VTM	16 16	Upper part (V type)	Through hole	download
KZ1DC16VTM	16 16	Upper part (V type)	Through hole	download
KZ0DR16VTM	16 16	Upper part (V type)	Through hole	download
KZ1DR16VTM	16 16	Upper part (V type)	Through hole	download
KZ0DG16VTM	16 16	Upper part (V type)	Through hole	download
KZ1DG16VTM	16 16	Upper part (V type)	Through hole	download
KZ4DC10HSE	Ten	Side (H type)	Surface mounting (gull wing)	download
KZ4DC10HSM	Ten	Side (H type)	Surface mounting (gull wing)	download
KZ4DR10HSE	Ten	Side (H type)	Surface mounting (gull wing)	download
KZ4DR10HSM	Ten	Side (H type)	Surface mounting (gull wing)	download
KZ4DG10HSE	Ten	Side (H type)	Surface mounting (gull wing)	download
KZ4DG10HSM	Ten	Side (H type)	Surface mounting (gull wing)	download

KZ4DC10HTM	Ten	Side (H type)	Through hole	download
KZ4DR10HTM	Ten	Side (H type)	Through hole	download
KZ4DG10HTM	Ten	Side (H type)	Through hole	download
KZ4DC16HSE	16 16	Side (H type)	Surface mounting (gull wing)	download
KZ4DC16HSM	16 16	Side (H type)	Surface mounting (gull wing)	download
KZ4DR16HSE	16 16	Side (H type)	Surface mounting (gull wing)	download
KZ4DR16HSM	16 16	Side (H type)	Surface mounting (gull wing)	download
KZ4DG16HSE	16 16	Side (H type)	Surface mounting (gull wing)	download
KZ4DG16HSM	16 16	Side (H type)	Surface mounting (gull wing)	download
KZ4DC16HTM	16 16	Side (H type)	Through hole	download
KZ4DR16HTM	16 16	Side (H type)	Through hole	download
KZ4DG16HTM	16 16	Side (H type)	Through hole	download

■ DIP switch bean knowledge

What is a DIP switch?

The official name of the DIP switch is DUAL IN LINE PACKAGE SWITCH. Unlike other switches, it is rarely mounted on the panel surface among operation switches, and it is a switch that is mounted on a printed circuit board and incorporated into an internal device. It is used for program setting, circuit switching, circuit check, etc. for the purpose of controlling electrical signals.

Monthly needs of 10 million pieces in Japan

DIP switch was born in the United States. In Japan, it has only been around for over 20 years since it first appeared as a switch for setting prices for vending machines. However, its use has expanded dramatically as a setting switch for programming, and it is said that there is currently a monthly demand for 10 million units in Japan.

Slide type that occupies nearly 70%

DIP switches are roughly classified into slide type, piano type, and rotary type according to the shape of the operation unit, and are used properly according to the application, but the slide type is common and less than 70% of the total, mainly 4 poles and 8 poles. It is being used.