

Varicaps for the haigue

The varicap diodes are supplied in snap-apart packs of two (KV1236) or three (KV1235) for ganged receiver tuning. This wobulator is tuned, and its frequency shifted, by a single varicap diode of the type developed for medium-wave receivers.

These devices provide a capacitance swing of around 450pF with a tuning voltage range of 2V to 9V, and exhibit a 'Q' factor of at least 200. Although they are more expensive than a varicap with a smaller swing, the need for a conventional tuning capacitor is avoided and the overall saving in cost is significant. More important, wide frequency sweeps are easy to obtain, and the full IF passband, together with a portion of the RF spectrum on either side, can be displayed. The capacitance/tuning voltage relationship of the chosen diode is reasonably linear up to about 6V. Between 6V and 9V the rate of capacitance change falls. Below about 1V, the 'Q' factor of the diode reduces

Ebay; You are purchasing a Toko KV1561A-1 which is a triple AM Varicap Tuning Diode.

For the KV1561 the Typical Variation in Capacitance 24 to 460pF Max 16v Working

AP=2 means approx equal to under the following useage:

In most applications 16v or less this will replace the Toko KV1235 Type diode which is rated at 20v with a typical variation in capacitance of 26 to 487pF this is means that the variation is 5% less but in the majority of situations this will not matter.

Toko Package Style is CB-3-6 These triple diode packs are in fact 3 separate diodes moulded into one 6 pin package, you can with care snap them apart and use them individually. So in brief if your project calls for a KV1235 diode, as long as the operating voltage of the project is 16v or less then the KV1561 we are selling here will do the trick.

NB This is also true if you require a KV1236 diode just use the fist 4 pins and not the last 2 as the KV1236 part was a twin device not a triple.

I bought Jan 2023 1 X KV1236Z TOKO VARICAP

Type	Application	Operating voltage (V)	Layout	*1 Capacitance (pF)	Capacitance ratio	Wide band coverage	Q Min.	*2 ΔC Max.	Package	Surface mounting	Taping	
KV1226	Tun.	25	2 element	C _{1V} : 510 ~ 620 C _{25V} : 16 ~ 26	20 Min.	●	200 1V, 1MHz	2% *3	CB2-4			
KV1230Z	VCO	8	1 element	C _{1V} : 445 ~ 535 C _{8V} : 22.5 ~ 30.5	16.5 ~ 22		200 1V, 1MHz	1%	CB1-2			
KV1234Z	Tun.		4 element						2%	CB4-8		
KV1235Z	Tun.		3 element						2%	CB3-6		
KV1236Z	Tun.		2 element						1%	CB2-4		
KV1238Z	Tun.		2 element						1%	CB2-4		

C1V C8V

*1 With the capacity indicated on one element

空量値は1つのダイオードの値です