

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!



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# **QLM Fan Vibration Sleeves**

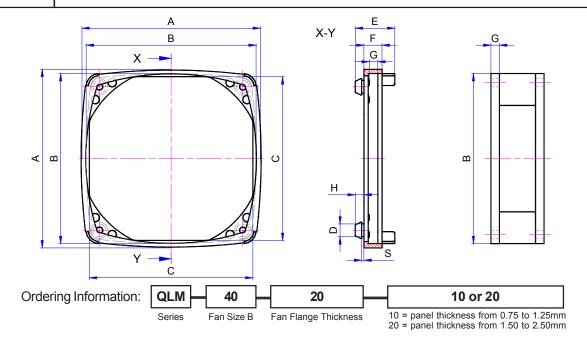


Material: TPE (Thermoplastic Elastomer) RoHS Compliant

Color: Black

Hardness: ca 70° Shore A

Fire Resistance: UL94-V0

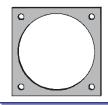


#### **CUSTOM SIZES AVAILABLE BY REQUEST**

Part Number	A Inch / mm	B Inch / mm	C Inch / mm	D Inch / mm	E Inch / mm	F Inch / mm	G Inch / mm	H Inch / mm	S Inch / mm	PANEL THICKNESS Inch / mm
QLM-40-20-10	1.692 / 43	1.574 / 40	1.496 / 38	.177 / 4.5	.581 / 14.75	.207 / 5.25	.008 / 2.0	.138 / 3.5	.039 / 1.0	.030 / .75049 / 1.25
QLM-40-20-20	1.692 / 43	1.574 / 40	1.496 / 38	.177 / 4.5	.620 / 15.75	.207 / 5.25	.008 / 2.0	.178 / 4.5	.079 / 2.0	.059 / 1.5098 / 2.5
QLM-60-30-10	2.520 / 64	2.362 / 60	2.283 / 58	.197 / 5.0	.689 / 17.5	.295 / 7.5	.008 / 2.0	.157 / 4.0	.039 / 1.0	.030 / .75049 / 1.25
QLM-60-30-20	2.520 / 64	2.362 / 60	2.283 / 58	.197 / 5.0	.728 / 18.5	.295 / 7.5	.118 / 3.0	.197 / 5.0	.079 / 2.0	.059 / 1.5098 / 2.5
QLM-80-40-10	3.307 / 84	3.150 / 80	3.031 / 77	.228 / 5.8	.728 / 18.5	.335 / 8.5	.157 / 4.0	.157 / 4.0	.039 / 1.0	.030 / .75049 / 1.25
QLM-80-40-20	3.307 / 84	3.150 / 80	3.031 / 77	.228 / 5.8	.768 / 19.5	.335 / 8.5	.157 / 4.0	.197 / 5.0	.079 / 2.0	.059 / 1.5098 / 2.5
QLM-80-50-10	3.307 / 84	3.150 / 80	3.031 / 77	.228 / 5.8	.807 / 20.5	.374 / 9.5	.197 / 5.0	.157 / 4.0	.039 / 1.0	.030 / .75049 / 1.25
QLM-80-50-20	3.307 / 84	3.150 / 80	3.031 / 77	.228 / 5.8	.846 / 21.5	.374 / 9.5	.197 / 5.0	.197 / 5.0	.079 / 2.0	.059 / 1.5098 / 2.5
QLM-92-40-10	3.819 / 97	3.622 / 92	3.504 / 89	.236 / 6.0	.768 / 19.5	.374 / 9.5	.157 / 4.0	.157 / 4.0	.039 / 1.0	.030 / .75049 / 1.25
QLM-92-40-20	3.819 / 97	3.622 / 92	3.504 / 89	.236 / 6.0	.807 / 20.5	.374 / 9.5	.157 / 4.0	.197 / 5.0	.079 / 2.0	.059 / 1.5098 / 2.5
QLM-92-50-10	3.819 / 97	3.622 / 92	3.504 / 89	.236 / 6.0	.846 / 21.5	.413 / 10.5	.197 / 5.0	.157 / 4.0	.039 / 1.0	.030 / .75049 / 1.25
QLM-92-50-20	3.819 / 97	3.622 / 92	3.504 / 89	.236 / 6.0	.886 / 22.5	.413 / 10.5	.197 / 5.0	.197 / 5.0	.079 / 2.0	.059 / 1.5098 / 2.5
QLM-119-40-10	4.921 / 125	4.685 / 119	4.567 / 116	.315 / 8.0	.866 / 22.0	.374 / 9.5	.157 / 4.0	.177 / 4.5	.039 / 1.0	.030 / .75049 / 1.25
QLM-119-40-20	4.921 / 125	4.685 / 119	4.567 / 116	.315 / 8.0	.906 / 23.0	.374 / 9.5	.157 / 4.0	.217 / 5.5	.079 / 2.0	.059 / 1.5098 / 2.5
QLM-119-50-10	4.921 / 125	4.685 / 119	4.567 / 116	.315 / 8.0	.945 / 24.0	.413 / 10.5	.197 / 5.0	.177 / 4.5	.039 / 1.0	.030 / .75049 / 1.25
QLM-119-50-20	4.921 / 125	4.685 / 119	4.567 / 116	.315 / 8.0	.984 / 25.0	.413 / 10.5	.197 / 5.0	.217 / 5.5	.079 / 2.0	.059 / 1.5098 / 2.5
QLM-119-60-10	4.921 / 125	4.685 / 119	4.567 / 116	.315 / 8.0	1.024 / 26.0	.453 / 11.5	.236 / 6.0	.177 / 4.5	.039 / 1.0	.030 / .75049 / 1.25
QLM-119-60-20	4.921 / 125	4.685 / 119	4.567 / 116	.315 / 8.0	1.063 / 27.0	.453 / 11.5	.236 / 6.0	.217 / 5.5	.079 / 2.0	.059 / 1.5098 / 2.5

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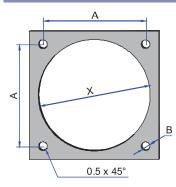
E-Mail: mailbox@qualtekusa.com Web: www.qualtekusa.com



#### Recommended mounting styles / hole cut-outs and measure for mounting plates and housing walls.

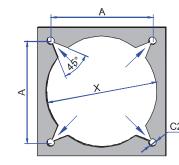
Dependant on given space circumstances there are four possible ways to mount the elastic sleeves

Only one hole cut-out has to be used to install the sleeve on a mounting plate or housing wall.



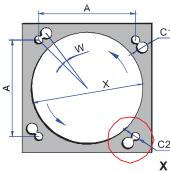
## Mounting style/ Hole cut-out 1 Plug-in mounting

First pull the sleeve over the flange of the fan, then place the four pegs on the holes B of the mounting plate and pull them through from the back side.



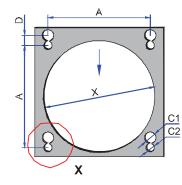
#### Mounting style/ Hole cut-out 2 Plug-and-pull mounting

First place the four pegs through the 45° outbreak in the mounting plate and pull them out into the holes C2. Now put the fan into the sleeve and pull the corners over the flanges of the fan.



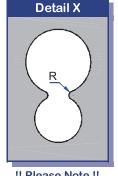
## Mounting style/ C1 Hole cut-out 3 plug-and turn mounting

First pull the sleeve over the flange of the fan, then place the four pegs in the larger holes C1 of the mounting plate and pull the pegs with a turn into the holes C2.



## Mounting style/ Hole cut-out 4 Plug-and-push mounting

First pull the sleeve over the flange of the fan, then place the four pegs in the larger holes C1 of the C1 mounting plate and push the C2 pegs down into the holes C2.



## !! Please Note !!

By adjusting the size D/W and the size of radius R the resistance to mount and remount the fan with sleeve can be altered

Mounting style / Hole cut-out 1

is preferable when there is limited space around the fan. Please note! You need space at the back side to pull out the pegs.

Mounting style / Hole cut-out 2

is recommend, when the space around the fan allows to pull the sleeve over the fan flanges. You don't need access to the back side.

Mounting style / Hole cut-out 3/4 are the quickest ways to attach the fans provided sufficient space is available to pull or turn the sleeve and fan.

Access to the back side is not necessary.

We are always available for consultation should you have any question regarding the appropriate mounting style / hole cut-out and mounting procedure.

sicove can be directed.									
Hole cut-out dimensions	Α	В	C1	C2	D	R	W	X	
For QLM-30	24.0	4.5	5.5	4.0	5.0	0.5-1.0	16.5°	Form / dimensions dependent on fan manufacturer	
For QLM-40	32.0	5.0	6.5	4.5	5.75	0.5-1.0	14.5°	Form / dimensions dependent on fan manufacturer	
For QLM-50	42.0	5.0	6.5	4.5	5.75	0.5-1.0	11.0°	Form / dimensions dependent on fan manufacturer	
For QLM-60	50.0	5.5	7.5	5.0	6.5	0.5-1.0	10.5°	Form / dimensions dependent on fan manufacturer	
For QLM-80	71.5	6.5	8.0	6.0	7.0	0.5-1.0	8°	Form / dimensions dependent on fan manufacturer	
For QLM-92	82.5	6.5	8.5	6.0	7.25	0.5-1.0	7°	Form / dimensions dependent on fan manufacturer	
For QLM-119	105.0	8.5	11.0	8.0	9.5	1.0-2.0	7°	Form / dimensions dependent on fan manufacturer	
All dimensions in mml									

All dimensions in mm!