

QDC6466H

High Power, High Isolation

Features:
 * High Power
 * High Isolation
 * Low Insertion Loss
 * Low VSWR

Applications:
 * Wireless
 * Radar
 * Laboratory Test

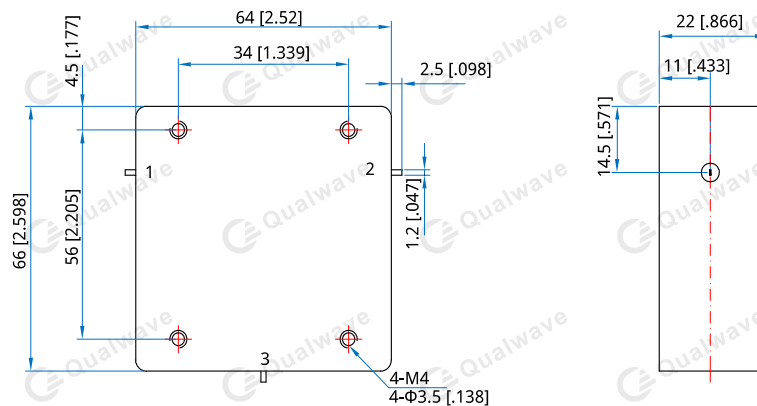
Description

QDC6466H series Drop-In Circulators cover frequency range 20~400MHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

Specifications

Frequency (MHz)	Bandwidth (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Average Power (W)	Temperature (°C)																												
20~30	0	2.00	18.0	1.30	10~100	-10~+60																												
30~80	0	1.20	20.0	1.25	10~100	-10~+60																												
30~80	5	1.80	18.0	1.30	10~100	-10~+60																												
88~108	20	0.60	20.0	1.25	10~100	-10~+60																												
100~140	40	1.20	18.0	1.30	10~100	-10~+60																												
108~118	10	0.50	20.0	1.20	10~100	-10~+60																												
116~138	22	0.60	20.0	1.25	10~100	-10~+60																												
130~180	50	0.60	20.0	1.25	10~100	-10~+60 </tr <tr> <td>136~174</td> <td>38</td> <td>0.50</td> <td>20.0</td> <td>1.25</td> <td>10~100</td> <td>-10~+60</td> </tr> <tr> <td>150~170</td> <td>20</td> <td>0.40</td> <td>20.0</td> <td>1.20</td> <td>10~100</td> <td>-10~+60</td> </tr> <tr> <td>170~230</td> <td>60</td> <td>0.60</td> <td>20.0</td> <td>1.25</td> <td>10~100</td> <td>-10~+60</td> </tr> <tr> <td>225~400</td> <td>175</td> <td>0.80</td> <td>18.0</td> <td>1.30</td> <td>10~100</td> <td>-10~+60</td> </tr>	136~174	38	0.50	20.0	1.25	10~100	-10~+60	150~170	20	0.40	20.0	1.20	10~100	-10~+60	170~230	60	0.60	20.0	1.25	10~100	-10~+60	225~400	175	0.80	18.0	1.30	10~100	-10~+60
136~174	38	0.50	20.0	1.25	10~100	-10~+60																												
150~170	20	0.40	20.0	1.20	10~100	-10~+60																												
170~230	60	0.60	20.0	1.25	10~100	-10~+60																												
225~400	175	0.80	18.0	1.30	10~100	-10~+60																												

Outline Drawings



Unit: mm [inch] Tolerance: $\pm 0.2\text{mm}$ [$\pm 0.008\text{in}$]

Mechanical

Size*1:	64*66*22mm 2.25*2.598*0.866in
Connector Type:	Strip line
Mounting:	4-Φ3.5mm through-hole 4-M4

[1] Exclude connectors

Direction Naming Rules:

- 1 - Clockwise
- 2 - Anticlockwise

How To Order**QDC6466H-W-X-Y-Z**

W: Start frequency in MHz

X: Stop frequency in MHz

Y: Average Power in W

Z: Direction type

Examples:

To order a QDC6466H series Circulator, 55~75MHz, 100W, Clockwise, specify QDC6466H-55-75-K1-1.

Customization is available upon request.