

QDA-0-40000-115-5

DC~40GHz, 115dB, 5dB

Features:

- * Broadband
- * High Dynamic Range

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	DC~40GHz
Insertion Loss:	4.5dB max.
Step:	5dB
Attenuation Range:	0~115dB
Attenuation Accuracy:	±1.5dB @5, 10, 20, 40dB
Attenuation Linearity:	±5.5dB @50~85dB ±8dB @90~115dB
VSWR:	2 max.
Repeatability:	0.05dB typ.
Drive Voltage (Relay):	20~28V
Rated Voltage (Relay):	24V
Drive Current (Relay):	126mA (At room temperature rated voltage, per level)
Input Power:	30dBm max.
Switching Time:	20ms max.
Control:	TTL logic High @+4.2~+5V Low @ 0 ~+1V

Environmental

Operating Temperature:	-20~+75°C
Non-operating Temperature:	-55~+85°C
Humidity Resistance:	240h at 40°C, 95% RH

Pin Numbering^{*1}

Pin	Function	Pin	Function
1~2	NC	4	TTL Low
3, 5~8, 10~14	TTL High	9	GND

[1] The falling edge from high level to low level works, and the duration of low level needs to be greater than 20ms.

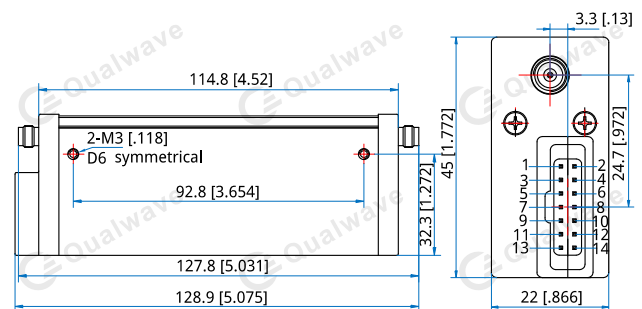
Mechanical

Size ^{*2} :	114.8*45*22mm 4.52*1.772*0.866in
Power Supply & Control Interface Connectors ^{*3} :	2.54mm double row 14P
Mating Life Cycle:	1M cycles min.
Shock (Operating condition):	10g, 6ms, three axes, six directions
Vibration (Operating condition):	Acceleration 5g, 50~2000Hz
RF Connectors:	2.4mm Female
Mounting:	2-M3mm depth 6mm
Weight:	0.42kg max.

[2] Exclude connectors.

[3] Recommended matching connector: 517.076.003.014.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

QDA-0-40000-115-5

Customization is available upon request.