



The BAL004 is used in an RX only application where a balanced input impedance of 200 Ohms is required to be transformed to 50 Ohms unbalanced. The unit is housed in a waterproof case for outdoor use.

The Balanced ports are lightning protected. Ground stud must be grounded for this to function correctly.

#### Specification:

##### Parameter

##### Limits

Frequency Range	1.5 – 30MHz
Balance Terminals impedance	200 Ohms
Unbalanced Impedance	50 Ohms
SWR Less than	1.5:1 (<-14dB return loss)
Insertion Loss	<0.5dB (typ. <0.3dB)
Balanced to unbalanced ratio	>25dB
Power Handling	+20dBm Max.
Case Size	65 x 60 x 40mm
Connector Unbalanced	N type Female
Terminals Unbalanced	M5 Stud, with washer and nut.
Ground Stud	M4 Stud, with washer and nut.
Lightning Protection (BAL)	2kV 1.6ns rise time, 50ns duration