



Figure 1- Similar product shown

The BAL005 is used in an RX only application where a balanced input impedance of 300 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:

<u>Parameter</u>	<u>Limits</u>
Frequency Range	2 – 30MHz
Balance Terminals impedance	300 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	>22dB
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 Terminal	M4 Stud, with washer and nut.
Lightning Protection (BAL)	2kV 1.6ns rise time, 50ns duration

