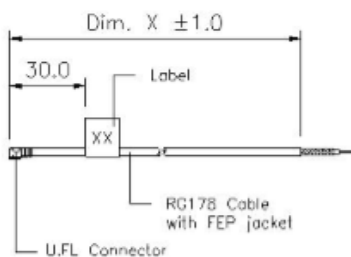
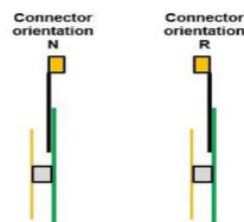
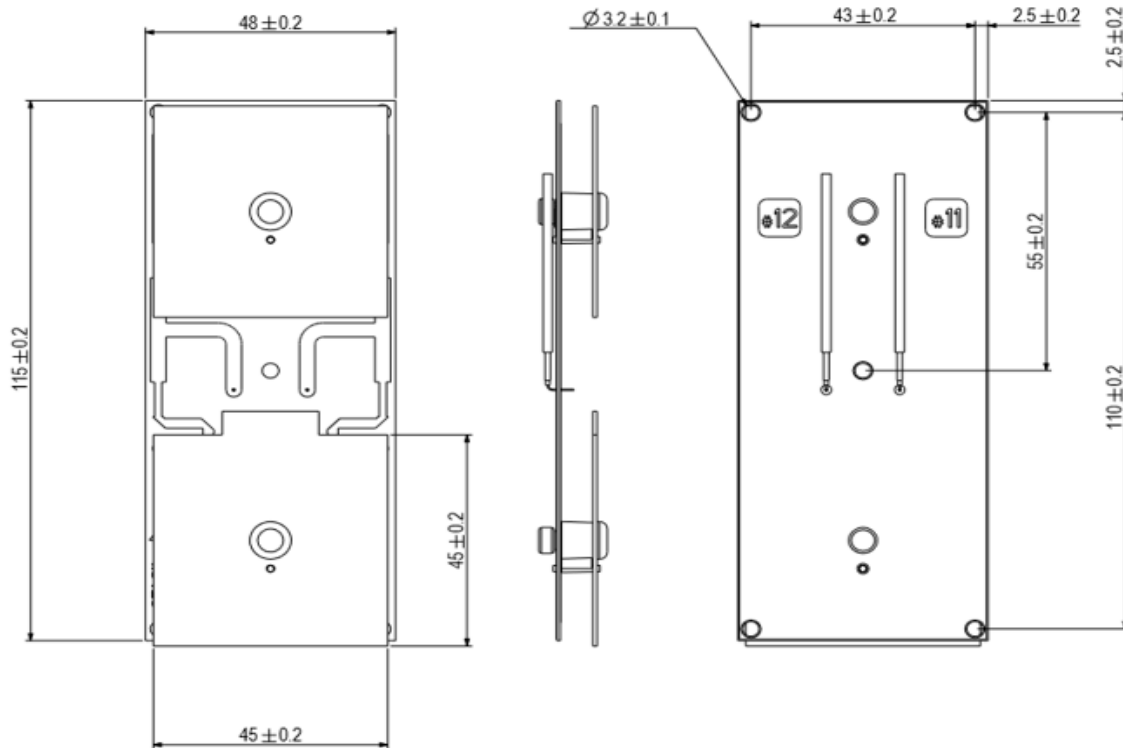


Antenna Array containing Antenna F (B41)

Antenna F

LTE band number	41
Frequency range	2496 – 2690 MHz
Average gain to RF connector	$9.5 \pm 1.0\text{dBi}$
Azimuth HPBW	$60^\circ \pm 10^\circ$
Elevation HPBW	$35^\circ \pm 5^\circ$
Polarisation discrimination at 0°	18 dB
Front to back ratio	$\geq 25\text{ dB}$
Polarisation	Dual Slant $\pm 45^\circ$
Electrical Down-tilt	0°
Impedance	50 ohms
VSWR	$\leq 2.0:1$
Isolation between RF Ports	$\geq 18\text{ dB}$
Isolation between eNB & UE antenna	$\geq 30\text{ dB}$
Average transmission power per polarisation	26 dBm
Peak transmission power per polarisation	36 dBm
Recommended maximum dimensions (mm)	(See Outline Drawing on P2)
Connector type	2 x U.FL plug
Cable Type	RG178 with FEP Jacket
Cable Length/colour/Connector Orientation	150mm/Black/N
Labelling	#11 & #12, Grey Labels
DC Grounding	NA

AW3646-3-R1 Outline Drawing



Cable prep. details						
Part Number	Dim. X	FEP Colour	Label	Label Colour	Quantity	Connector Orientation
Antenna F	150.0	Black	#11	Grey	1	N
Antenna F	150.0	Black	#12	Grey	1	N

© Alpha Wireless Limited 2014. Last modified: April, 24, 2018

Web: www.alphaantennas.com Email: info@alphaantennas.com

* Alpha Wireless are always improving products; specification subject to change without notice.