



# WR-05 Waveguide Calibration Kit 140-220 GHz: FEK-05-0006

Farran's FEK-05 calibration kit provides accurate calibration of the Vector Network Analyzer (VNA) in WR-08 band (140 – 220 GHz). It is compatible with TRL and SOLT calibration techniques and allows for a full 12-term port calibration.



## Key Facts:

- Provides full 12-term port calibration.
- Ensures accurate and repeatable measurements.
- Contains standards definition file in a VNA suitable format.

## Product Specification

System Specification	Unit	Min	Typ	Max
Operating Frequency	GHz	140	-	220
Waveguide Designation	-	WR-05, WG-30		
Flange Type	-	IEEE 1785.2a (Precision Style)		
Cut-off Frequency (nom.)	GHz	115.71		
Fixed Load VSWR	-	-	-	1.06:1
Flush Short Flatness	mm	-	-	0.012
Dimensions (approx.)	mm	130 x 130 x 60		
Weight (approx.)	kg	0.5		
Operating Temperatures (nom.)	°C	+20	-	+30

**Nominal value (nom.)** – ensured by design, not tested.

The accuracy of the measurement itself is only as good as the calibration of the test system. Time after time, Farran's calibration kits have ensured that our mm-wave test setups deliver consistently accurate measurements, months and years after their commissioning. All standards are gold plated and come in a nice and compact wooden box, together with the definition files for ease of use with VNA.

**Test Engineer, European Defence Technology Corporation**



## CONTENT

- Fixed termination
- Flush short
- 1/4 lambda offset
- Hex ket 5/64"
- Flange screws
- Precision alignment pins
- USB flash memory



## APPLICATIONS

- Millimeter wave S-parameters measurements



## ACCESSORIES

- User Manuals