

Part No:

HWCA-15VF-EL



WR-15 to 1.85mm Female End Launch Waveguide to Coax Adapter, 50 -70 GHz

Electrical

- Connector Impedence 50 Ohms
- Frequency Range 50 - 70 GHz
- VSWR $\sqrt{1.7:1}$ (17dB RL) Typ.
- Insertion Loss 0.75 dB Typ.
- Temperature Range -20°C to +50°C

Material

- Waveguide Type WR-15, UG385/U Compatible Flange
- Waveguide Material Gold Plated Brass
- 1.85mm Connector Body Passivated Stainless Steel
- 1.85mm Center Contact Gold Plated BeCu

The HASCO HWCA-15VF-EL waveguide to coax adapter is manufactured for end-launch (straight) requirements. This adapter is designed for WR-15 waveguide and has a UG385/U compatible flange with a 1.85mm Female connector. A 1.85mm Male version is also available upon request.

This precision full-band coax-to-waveguide end launch adapter converts between TEM mode in coax and the 1.85mm connector to TE10 mode in WR-15 waveguide. This adapter offers exceptionally low loss for an end-launch configuration. The measurements show the loss and VSWR of two adapters measured back-to-back in a calibrated waveguide measurement system, which infers a loss for each adapter at half the measured value, and a VSWR of the square root of the measured back-to-back value. An outer rim based on the widely adopted ALMA recommendation form an anti-cocking flange that is backward compatible to the Mil-F-3922/67B standard. For test-and-measurement applications, our gold-plated solid brass body and stainless steel alignment pins ensure reliable gall-free mating over multiple mate and de-mate cycles.

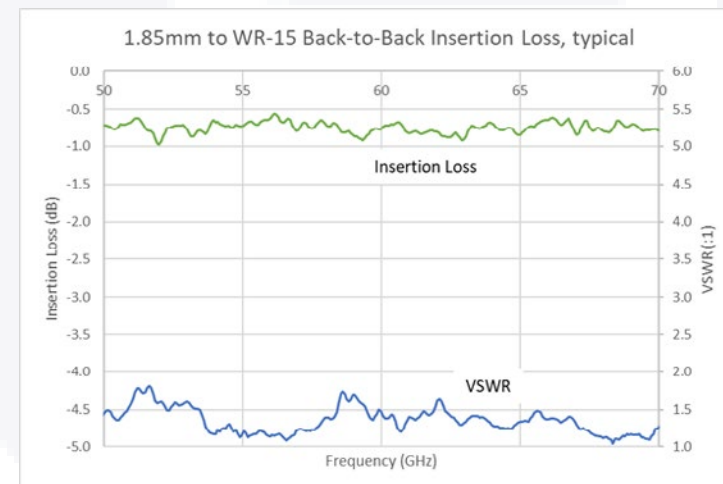
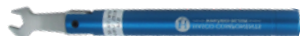
The HASCO HWCA-15VF-EL is RoHS Compliant.

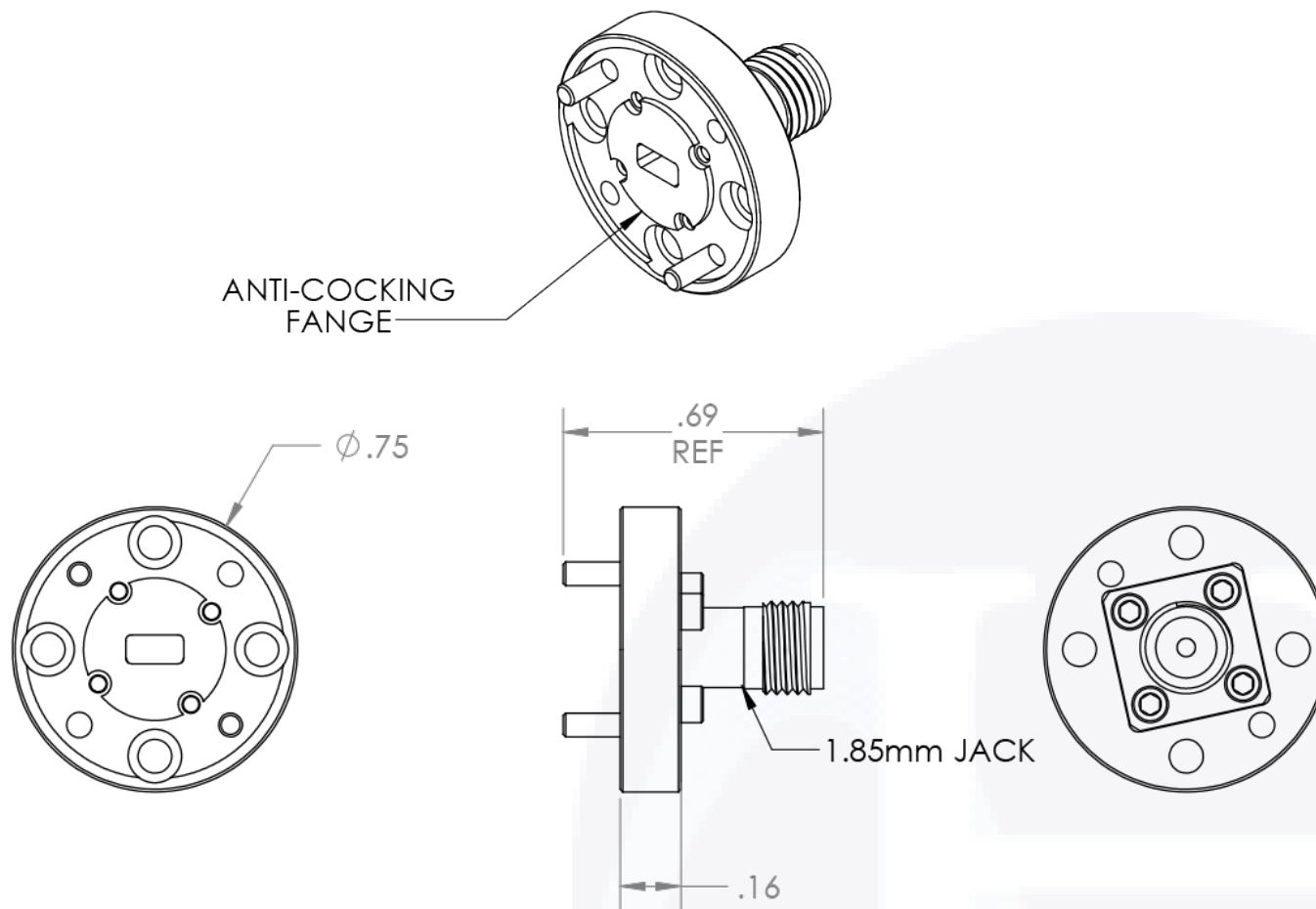



HASCO stocks an extensive selection of RF and Microwave between-series, waveguide, in-series, right angle and low PIM adapters.

Installation torque of 0.92 ± 0.05 NM [8.0 ± 0.4 in lbs] recommended.

HASCO torque wrench [#HTW-516-08](#), is available in stock.





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						SEE DATA SHEET	0T8L4	N/A	A
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