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TS645450 – WAVEGUIDE ASSEMBLY

✓ Government record, cited

— · COMPONENT

PRODUCT OVERVIEW

TS645450: WAVEGUIDE ASSEMBLY.

The WAVEGUIDE ASSEMBLY is a the manufacturer industrial component. Key specifications include material: ALUMINUM ALLOY ALL FLANGE, flexibility: FLEXIBLE SINGLE TUBING SEGMENT, flange_depth: 0.438 INCHES NOMINAL ALL FLANGES IN, flange_style: CHOKE TYPE ALL FLANGES, thread_class: 2B ALL FLANGES ALL CONNECTION FACILITIES, style_designator: STRAIGHT TYPE. This part is cataloged in the U.S.

Government catalog under NSN 5985-00-166-0803, indicating validated use in U.S. government and defense logistics supply chains. Available through authorized enterprise resellers and TPM (Third Party Maintenance) channels.

Verify compatibility with your specific system configuration before ordering.

WHERE IT FITS

TS645450

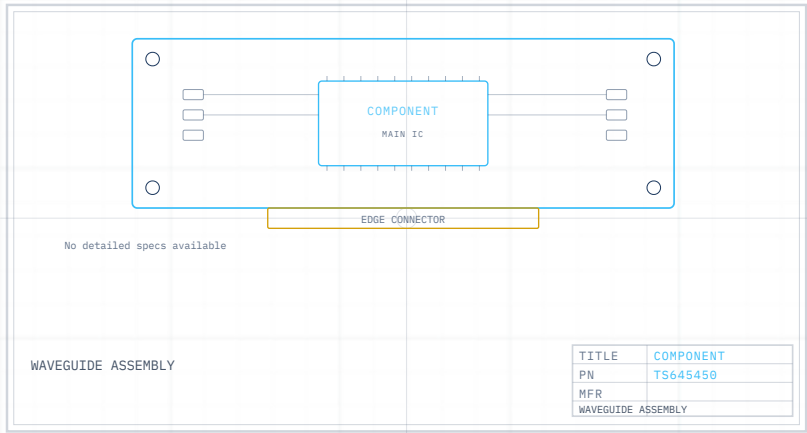
NSN: 5985-00-166-0803
FSC: 5985 — Antennas, Waveguides, and Related Equipment
CAGE: 06351 — MICROWAVE ENGINEERING CORPORATION (USA)

SPECIFICATIONS

material	ALUMINUM ALLOY ALL FLANGE
flexibility	FLEXIBLE SINGLE TUBING SEGMENT
flange_depth	0.438 INCHES NOMINAL ALL FLANGES IN
flange_style	CHOKE TYPE ALL FLANGES
thread_class	2B ALL FLANGES ALL CONNECTION FACILITIES
flange_quantity	2
style_designator	STRAIGHT TYPE

thread_direction	RIGHT-HAND ALL FLANGES ALL CONNECTION FACILITIES
operating_pressure	120.0 POUNDS PER SQUARE INCH GAUGE (PSIG) MAXIMUM LBS
flange_inside_width	0.910 INCHES NOMINAL ALL FLANGES IN
nominal_thread_size	0.164 INCHES ALL FLANGES ALL CONNECTION FACILITIES IN
flange_inside_height	0.400 INCHES NOMINAL ALL FLANGES IN
NSN	5985-00-166-0803

COMPONENT DIAGRAM



KEY FEATURES

- TUBING WALL CONSTRUCTION STYLE: CORRUGATED SINGLE TUBING SEGMENT
- FLANGE INSIDE HEIGHT: 0.400 INCHES NOMINAL ALL FLANGES IN
- FLANGE QUANTITY: 2
- VOLTAGE STANDING WAVE RATIO: 1.15
- STYLE DESIGNATOR: STRAIGHT TYPE
- FLEXIBILITY: FLEXIBLE SINGLE TUBING SEGMENT

- **FLANGE INSIDE DIAMETER: 1.220 INCHES NOMINAL ALL FLANGES IN**
- **CROSS-SECTIONAL SHAPE STYLE: INTERNAL, RECTANGULAR EXTERNAL, RECTANGULAR**

TECHNICAL CHARACTERISTICS

TUBING WALL CONSTRUCTION STYLE	CORRUGATED SINGLE TUBING SEGMENT
FLANGE INSIDE HEIGHT	0.400 INCHES NOMINAL ALL FLANGES IN
FLANGE QUANTITY	2
VOLTAGE STANDING WAVE RATIO	1.15
STYLE DESIGNATOR	STRAIGHT TYPE
FLEXIBILITY	FLEXIBLE SINGLE TUBING SEGMENT
FLANGE INSIDE DIAMETER	1.220 INCHES NOMINAL ALL FLANGES IN
CROSS-SECTIONAL SHAPE STYLE	INTERNAL, RECTANGULAR EXTERNAL, RECTANGULAR
OPERATING PRESSURE	120.0 POUNDS PER SQUARE INCH GAUGE (PSIG) MAXIMUM LBS
FLANGE OUTSIDE HEIGHT	1.625 INCHES NOMINAL ALL FLANGES IN

SUBSTITUTES & CROSS-REFERENCES
 3

TS645432 Reference document

Same NSN cross-reference

Reference document — Secondary reference

253847 Reference document

Same NSN cross-reference

Reference document — Vendor item drawing reference

115753 Same NSN cross-reference

Same NSN cross-reference

Also cataloged under this NSN

LIFECYCLE

NSN status Active · U.S. Government catalog

- Acquisition advice: Terminal item — stock exhausted; no further procurement
- Demilitarization required — mutilation + specific procedure

FREQUENTLY ASKED QUESTIONS

What is TS645450?

TS645450 is a WAVEGUIDE ASSEMBLY.

What parts can replace TS645450?

There are 3 known substitutes for TS645450: TS645432, 253847, 115753. Substitute compatibility should be verified for your specific system.

What is the NSN for TS645450?

TS645450 is cataloged in the U.S. Government catalog under NSN 5985-00-166-0803. This indicates validated use in U.S. government and defense supply chains.

✓ **PartsTable** — the parts reference. Every fact cited to its source.

 **PartsTable Design LLC · partstable.com**

U.S. Government catalog: edition PUBLOGDVD v12.0.0 (OCT 2026), edition date 2026-10-01, retrieved 2026-10-18.

PartsTable commercial catalog: edition Unified commercial catalog snapshot through 2026-09-28, edition date not on file, retrieved 2026-09-28.