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EB5641 — RESISTOR, FIXED, COMPOSITION

✓ Government record, cited

— · MRO · MRO_GENERAL

PRODUCT OVERVIEW

EB5641: RESISTOR, FIXED, COMPOSITION.

The RESISTOR, FIXED, COMPOSITION is a the manufacturer industrial component. Key specifications include body_length: 0.375 INCHES NOMINAL IN, body_diameter: 0.140 INCHES NOMINAL IN, terminal_type: WIRE LEAD, inclosure_type: UNINCLOSED, style_designator: AXIAL TERMINAL EACH END, electrical_resistance: 560.000 KILOHMS. This part is cataloged in the U.S.

Government catalog under NSN 5905-00-066-1121, 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

MRO → MRO_GENERAL →

EB5641

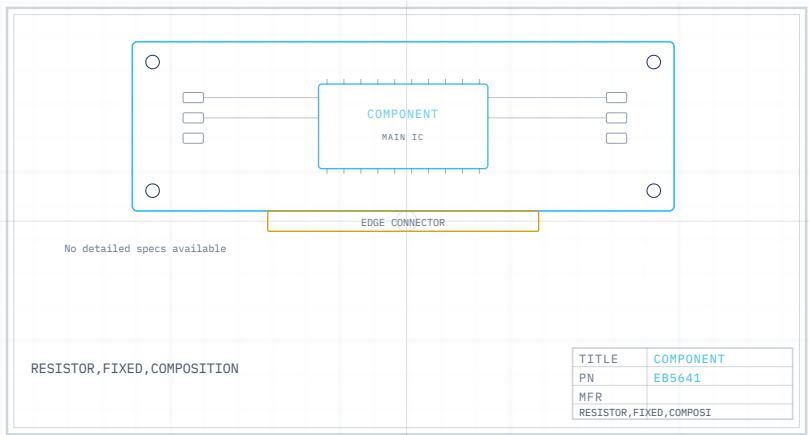
NSN: 5905-00-066-1121
FSC: 5905 — Resistor
CAGE: 01121 — ROCKWELL AUTOMATION, INC. DBA ROCKWELL AUTOMATION (USA)

SPECIFICATIONS

body_length	0.375 INCHES NOMINAL IN
body_diameter	0.140 INCHES NOMINAL IN
terminal_type	WIRE LEAD
inclosure_type	UNINCLOSED
style_designator	AXIAL TERMINAL EACH END
electrical_resistance	560.000 KILOHMS

reliability_indicator	NOT ESTABLISHED
resistance_tolerance_in_percent	-10.000 TO 10.000
ambient_temp_at_full_rated_power	70.0 CELSIUS DEGC
power_dissipation_rating_in_watts	0.500 FREE AIR
NSN	5905-00-066-1121

COMPONENT DIAGRAM



KEY FEATURES

- RESISTANCE TOLERANCE IN PERCENT: -10.000 TO 10.000
- BODY DIAMETER: 0.140 INCHES NOMINAL IN
- ELECTRICAL RESISTANCE: 560.000 KILOHMS
- INCLOSURE TYPE: UNINCLOSED
- TERMINAL TYPE: WIRE LEAD
- STYLE DESIGNATOR: AXIAL TERMINAL EACH END
- POWER DISSIPATION RATING IN WATTS: 0.500 FREE AIR

- **AMBIENT TEMP AT FULL RATED POWER:**
70.0 CELSIUS DEGC

TECHNICAL CHARACTERISTICS

RESISTANCE TOLERANCE IN PERCENT	-10.000 TO 10.000
BODY DIAMETER	0.140 INCHES NOMINAL IN
ELECTRICAL RESISTANCE	560.000 KILOHMS
INCLOSURE TYPE	UNINCLOSED
TERMINAL TYPE	WIRE LEAD
STYLE DESIGNATOR	AXIAL TERMINAL EACH END
POWER DISSIPATION RATING IN WATTS	0.500 FREE AIR
AMBIENT TEMP AT FULL RATED POWER	70.0 CELSIUS DEGC
BODY LENGTH	0.375 INCHES NOMINAL IN
RELIABILITY INDICATOR	NOT ESTABLISHED

OTHER ITEMS IN FSC 5905 — RESISTOR

Items in the same Federal Supply class. No interchangeability or substitution relationship is implied.

5905-00-000-0136	5905-00-000-0488	5905-00-000-8809	5905-00-000-8833
5905-00-000-9526	5905-00-001-1342	5905-00-001-1573	5905-00-001-2059

SUBSTITUTES & CROSS-REFERENCES 4

RC20-5603K Reference document
Same NSN cross-reference
Reference document — Secondary reference

0687-5641 Same NSN cross-reference
Same NSN cross-reference
Also cataloged under this NSN

RES 560K00 010% 0,50W AG04X010
Reference document
Same NSN cross-reference
Reference document — Secondary reference

LIFECYCLE

NSN status Active · U.S. Government catalog
No demilitarization required

N317-000-058 Same NSN cross-reference

Same NSN cross-reference
Also cataloged under this NSN

FREQUENTLY ASKED QUESTIONS

What is EB5641?

EB5641 is a RESISTOR, FIXED, COMPOSITION. It is classified as a MRO (MRO_GENERAL).

What parts can replace EB5641?

There are 4 known substitutes for EB5641: RC20-5603K, 0687-5641, RES 560K00 010% 0,50W AG04X010 and 1 more. Substitute compatibility should be verified for your specific system.

What is the NSN for EB5641?

EB5641 is cataloged in the U.S. Government catalog under NSN 5905-00-066-1121. 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.