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790278 – CAPACITOR, FIXED, MICA DIELECTRIC

✓ Government record, cited

— · MRO · MRO_GENERAL

PRODUCT OVERVIEW

790278: CAPACITOR, FIXED, MICA DIELECTRIC.

CAPACITOR, FIXED, MICA DIELECTRIC. Key specifications include material: PLASTIC CASE, body_style: W/O MTG FACILITIES TERMINAL(S) ON ONE SURFACE, body_width: 0.370 INCHES MAXIMUM IN, body_height: 0.180 INCHES MAXIMUM IN, body_length: 0.460 INCHES MAXIMUM IN, terminal_length: 0.900 INCHES MINIMUM IN. This part is cataloged in the U.S.

Government catalog under NSN 5910-00-007-0741, 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 → 790278

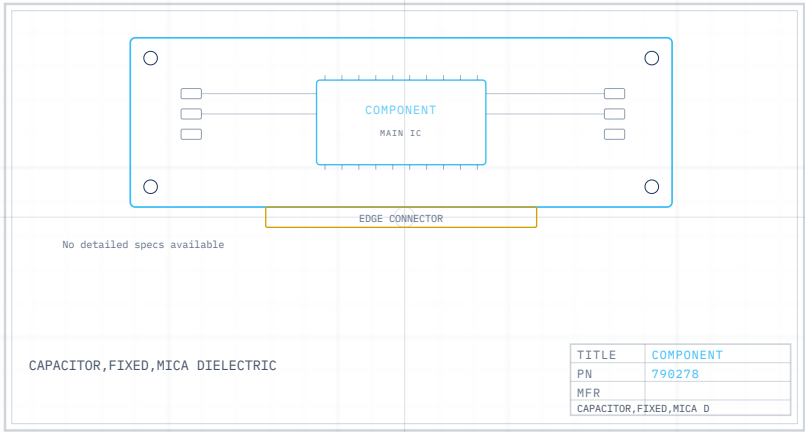
NSN: 5910-00-007-0741
FSC: 5910 — Capacitors
CAGE: 66943 — DATRON WORLD COMMUNICATIONS, INC. (USA)

SPECIFICATIONS

material	PLASTIC CASE
body_style	W/O MTG FACILITIES TERMINAL(S) ON ONE SURFACE
body_width	0.370 INCHES MAXIMUM IN
body_height	0.180 INCHES MAXIMUM IN
body_length	0.460 INCHES MAXIMUM IN

terminal_length	0.900 INCHES MINIMUM IN
terminal_diameter	0.032 INCHES NOMINAL IN
reliability_indicator	NOT ESTABLISHED
nonderated_operating_temp	-55.0 CELSIUS MINIMUM AND 125.0 CELSIUS MAXIMUM DEGC
terminal_surface_treatment	SOLDER
terminal_type_and_quantity	2 UNINSULATED WIRE LEAD
tolerance_range_per_section	-5.00 TO 5.00 PERCENT SINGLE SECTION
NSN	5910-00-007- 0741

COMPONENT DIAGRAM



KEY FEATURES

- **TERMINAL DIAMETER: 0.032 INCHES NOMINAL IN**
- **BODY STYLE: W/O MTG FACILITIES TERMINAL(S) ON ONE SURFACE**
- **TOLERANCE RANGE PER SECTION: -5.00 TO 5.00 PERCENT SINGLE SECTION**

TYPICAL APPLICATIONS

- RAID cache protection during power loss events
- Write-back cache enablement for storage controllers
- Enterprise server data integrity assurance

- **NONDERATED OPERATING TEMP: -55.0 CELSIUS MINIMUM AND 125.0 CELSIUS MAXIMUM DEGC**
- **TERMINAL SURFACE TREATMENT: SOLDER**
- **TERMINAL LENGTH: 0.900 INCHES MINIMUM IN**
- **BODY WIDTH: 0.370 INCHES MAXIMUM IN**
- **BODY HEIGHT: 0.180 INCHES MAXIMUM IN**

- Hot-swap battery/capacitor replacement in production

TECHNICAL CHARACTERISTICS

TERMINAL DIAMETER	0.032 INCHES NOMINAL IN
BODY STYLE	W/O MTG FACILITIES TERMINAL(S) ON ONE SURFACE
TOLERANCE RANGE PER SECTION	-5.00 TO 5.00 PERCENT SINGLE SECTION
NONDERATED OPERATING TEMP	-55.0 CELSIUS MINIMUM AND 125.0 CELSIUS MAXIMUM DEGC
TERMINAL SURFACE TREATMENT	SOLDER
TERMINAL LENGTH	0.900 INCHES MINIMUM IN
BODY WIDTH	0.370 INCHES MAXIMUM IN
BODY HEIGHT	0.180 INCHES MAXIMUM IN
TEMP COEFFICIENT OF CAPACITANCE RANGE PER SECTION IN PPM PER DEG CELSIUS	-20.0 TO 70.0 SINGLE SECTION
NONDERATED CONTINUOUS VOLTAGE RATING AND TYPE PER SECTION	500.0 DC SINGLE SECTION

OTHER ITEMS IN FSC 5910 — CAPACITORS

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

5910-00-000-1038	5910-00-000-1049	5910-00-000-1080	5910-00-000-6838
5910-00-001-1913	5910-00-001-2576	5910-00-001-2577	5910-00-001-2578

SUBSTITUTES & CROSS-REFERENCES
 3

CD15FD111J03
Reference document

Same NSN cross-reference
 Reference document — Secondary reference

LIFECYCLE

NSN status
 Active
 · U.S. Government catalog

No demilitarization required

711438-60 Reference document

Same NSN cross-reference
Reference document — Advisory reference — outside the item-of-supply concept

D15BL110 Reference document

Same NSN cross-reference
Reference document — Secondary reference

FREQUENTLY ASKED QUESTIONS

What is 790278?

790278 is a CAPACITOR, FIXED, MICA DIELECTRIC. It is classified as a MRO (MRO_GENERAL).

What parts can replace 790278?

There are 3 known substitutes for 790278: CD15FD111J03, 711438-60, D15BL110. Substitute compatibility should be verified for your specific system.

What is the NSN for 790278?

790278 is cataloged in the U.S. Government catalog under NSN 5910-00-007-0741. 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.