

A person wearing a red shirt is holding a cardboard box and a customs form. The box has a barcode and a QR code. The form is a customs declaration with various fields and a barcode. The background is blurred, showing a person's legs in blue jeans.

Preferential Origin Rules Uk Goods Hs Codes 8504 8533

Preferential Origin Rules for UK-Origin Goods (Selected HS Codes)

March 24, 2025

Preferential Origin Rules for UK-Origin Goods (Selected HS Codes)

Below we detail the **product-specific origin rules** for UK exports under each relevant UK Free Trade Agreement (FTA) or scheme, covering the HS codes **8504 40 84 90**, **8504 40 88 90**, **8533 29 00 00**, and **8504 90 90 00**. These correspond to **static converters (power supplies)**, **electrical resistors (other fixed resistors)**, and **parts of transformers/static converters**. For each partner country/territory, we indicate:

- **Maximum non-originating content allowed** (value/percentage),
- **Basis of the percentage** (ex-works price unless noted otherwise),
- **Any specific processing or transformation requirement** (e.g. change of tariff classification).

Where countries share the same origin protocol (e.g. Pan-Euro-Mediterranean conventions or UK continuity agreements mirroring EU rules), their rules are identical. In tables, “Max NOM%” = maximum value of non-originating materials as % of product price, and “Req. Processing/Notes” indicates if a tariff change or specific process is required in addition to or instead of the value cap. All value percentages are with respect to the **ex-works price** of the finished product unless stated otherwise ([Trade Agreement between the United Kingdom of Great Britain and Northern Ireland and the Swiss Confederation](#)) ([

Checking the origin of your goods using product specific rules when trading between the UK and EU - GOV.UK

]([Powered by DeepResearchPDF](https://www.gov.uk/guidance/using-the-harmonised-system-and-product-specific-rules-for-trade-between-the-uk-and-eu#:~:text=The%20rule%20states%20that%20the,be%20used%20in%20its%20manufacture)))).</p></div><div data-bbox=)

Switzerland

Under the UK-Switzerland FTA (which uses Pan-Euro-Mediterranean rules of origin), the following applies:

| HS Code | Max NOM% (ex-works) | Req. Processing/Notes |

| ----- | ----- | ----- |

| **8504.40** (Static converters) | 40% ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>) | No materials of heading 8504 can be non-originating (must **Change of Heading**, CTH) or meet the 40% cap ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for . ..)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>)). |

| **8504.90** (Parts of transformers/converters) | 40% ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for . ..)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>) | Same rule as heading 8504 (parts treated the same as finished converters) – CTH or 40% max NOM. |

| **8533.29** (Electrical resistors, other fixed resistors) | 40% ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for . ..)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>) | CTH required (non-originating components must not be classified under HS 8533) unless NOM ≤40%. (General rule for Chap.85) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for . ..)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>)). |

- Source: *UK-Switzerland FTA, Annex on Product-Specific Rules (incorporating PEM Convention rules) – e.g. **manufacture in which the value of all non-originating materials does not exceed 40% of the ex-works price** for HS 8504 ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>)).* (Note: Liechtenstein is

- in customs union with Switzerland, so the same rules apply.)*

Iceland

The UK-Iceland (EFTA) FTA also follows Pan-Euro-Med origin rules:

| HS Code | Max NOM% (ex-works) | Req. Processing/Notes |

| ----- | ----- | ----- |

| **8504.40** | 40% ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>) | CTH or 40% max NOM (Pan-Euro-Med rule) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for . ..)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>). |

| **8504.90** | 40% ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>) | Same as above (parts follow heading 8504 rule). |

| **8533.29** | 40% ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>) | General 40% cap (or CTH) for Chap.85 goods not otherwise excepted ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>). |

- Source:* Pan-Euro-Mediterranean Convention rules as used in UK-Iceland FTA (e.g. **40%** value tolerance for HS8504) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>).

Norway

UK-Norway rules (EFTA FTA) mirror the above:

| HS Code | Max NOM% (ex-works) | Req. Processing/Notes |

| ----- | ----- | -----|

| **8504.40** | 40% ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>) | CTH or $\leq 40\%$ NOM (Pan-Euro-Med) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for . ..)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>). |

| **8504.90** | 40% ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>) | Same as 8504.40 (parts treated identically). |

| **8533.29** | 40% ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>) | 40% NOM cap (or CTH) as general rule ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for . ..)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>). |

- Source:* Pan-Euro-Med list rules (as incorporated in UK-Norway FTA) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>).

Turkey

Under the UK-Turkey FTA (which also draws on Pan-Euro-Med origin protocols):

| HS Code | Max NOM% (ex-works) | Req. Processing/Notes |

| ----- | ----- | -----|

| **8504.40** | 40% | CTH or $\leq 40\%$ NOM (no non-originating 8504 inputs) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for .

..](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)). |

| **8504.90** | 40% | Same as above for parts of 8504. |

| **8533.29** | 40% | 40% NOM cap (or CTH) for resistors ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for .

..](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)). |

- Source:* UK-Turkey Agreement, Origin Protocol (incorporating PEM rules) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)).

Israel

UK-Israel Agreement (Euro-Med Association) uses the same rules:

| HS Code | Max NOM% | Req. Processing/Notes |

| ----- | ----- | -----|

| **8504.40** | 40% (ex-works) | Must undergo CTH or meet 40% max NOM limit ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for .

..](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)). |

| **8504.90** | 40% | Same rule as heading 8504 (parts). |

| **8533.29** | 40% | 40% NOM cap (or CTH) for HS 8533 ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for .

..](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)). |

- Source:* UK-Israel FTA, Annex II (Product-Specific Rules) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)).

Morocco

Under the UK-Morocco Association Agreement (Pan-Euro-Med origin):

| HS Code | Max NOM% | Req. Processing/Notes |

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| **8504.40** | 40% (ex-works) | CTH or $\leq 40\%$ non-originating content
([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for .
..)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>)). |

| **8504.90** | 40% | Same as above (parts treated as 8504). |

| **8533.29** | 40% | $\leq 40\%$ NOM (or tariff heading change) ([PDF] LIST OF
ANNEXES Annex I Croatian tariff concession for .
..)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>)). |

- Source:* UK-Morocco Agreement, origin protocol (PEM rules) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>)).

Tunisia

UK-Tunisia (Euro-Med FTA) origin rules:

| HS Code | Max NOM% | Req. Processing/Notes |

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| **8504.40** | 40% (ex-works) | 40% NOM cap; non-origin 8504 inputs
disallowed ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for .
..)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>)). |

| **8504.90** | 40% | Same as 8504.40. |

| **8533.29** | 40% | 40% NOM cap or CTH (general) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for .
 ..](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)). |

- Source:* UK-Tunisia Agreement, origin annex ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)).

Palestine

UK-Palestinian Authority Agreement (mirrors EU Interim Association, PEM rules):

| HS Code | Max NOM% | Req. Processing/Notes |

| ----- | ----- | -----|

| **8504.40** | 40% (ex-works) | CTH or $\leq 40\%$ NOM ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)). |

| **8504.90** | 40% | Same as above. |

| **8533.29** | 40% | $\leq 40\%$ NOM (or CTH) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)). |

- Source:* UK-Palestine Agreement, origin protocol (PEM) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)).

North Macedonia

UK-North Macedonia rules (Stabilisation & Association, PEM-based):

| HS Code | Max NOM% | Req. Processing/Notes |

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| **8504.40** | 40% (ex-works) | CTH or 40% NOM max ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for .
..](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)). |

| **8504.90** | 40% | Same rule as 8504.40. |

| **8533.29** | 40% | 40% NOM cap (or CTH) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)). |

- Source:* UK-North Macedonia Agreement, origin annex ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)).

Moldova

UK-Moldova Strategic Partnership (DCFTA-based, aligned with PEM):

| HS Code | Max NOM% | Req. Processing/Notes |

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| **8504.40** | 40% (ex-works) | ≤40% NOM (or change of heading) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for .
..](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)). |

| **8504.90** | 40% | Same as above for parts. |

| **8533.29** | 40% | ≤40% NOM (or CTH) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)). |

- Source:* UK-Moldova Agreement, origin protocol ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)).

Kosovo

UK-Kosovo (Stabilisation Agreement, PEM rules):

HS Code	Max NOM%	Req. Processing/Notes
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8504.40	40% (ex-works)	CTH or $\leq 40\%$ NOM ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)) .
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8504.90	40%	Same as above.
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8533.29	40%	40% NOM cap (or CTH) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)) .
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- Source:* UK-Kosovo Agreement, origin rules (PEM) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)([https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,\)\)](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)))).

Georgia

UK-Georgia FTA (similar to EU DCFTA rules, effectively PEM):

HS Code	Max NOM%	Req. Processing/Notes
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8504.40	40% (ex-works)	40% max non-originating (or CTH) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)) .
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8504.90	40%	Same as above.
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8533.29	40%	$\leq 40\%$ NOM (or CTH) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)) .
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- Source:* UK-Georgia Agreement, origin annex (aligned to PEM Convention) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)([https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,\)\)](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)))).

Ukraine

UK-Ukraine Political, Free Trade & Strategic Partnership Agreement (largely PEM-convention rules):

HS Code	Max NOM%	Req. Processing/Notes
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8504.40	40% (ex-works)	CTH or $\leq 40\%$ NOM ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,))).
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8504.90	40%	Same as above.
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8533.29	40%	40% NOM cap (or CTH) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,))).
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- Source:* UK-Ukraine Agreement, origin protocol ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)([https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,\)\)](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)))).

Mexico

UK-Mexico Trade Continuity Agreement (based on EU-Mexico FTA rules):

HS Code	Max NOM%	Req. Processing/Notes
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8504.40	50% (ex-works)	Max 50% non-originating content allowed (Tariff Preferences: Imports). (No specific CTH requirement beyond general “sufficient working” criteria.)
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| **8504.90** | 50% | Same as 8504.40 (parts count toward the 50% limit). |
 | **8533.29** | 45% | **45%** max NOM (this falls under the general Chapter 85 rule in older EU-Mexico rules) ([Tariff Preferences: Imports](#)). |

- Sources:* EU-Mexico/UK-Mexico origin rules (Annex III): e.g. **8504: value of all non-originating materials ≤50%** ([Tariff Preferences: Imports](#)). General rule for other electricals is 45% ([Tariff Preferences: Imports](#)).

Chile

UK-Chile Agreement (based on EU-Chile FTA):

HS Code	Max NOM%	Req. Processing/Notes
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8504.40	50% (ex-works)	Max 50% non-originating materials (Tariff Preferences: Imports).
8504.90	50%	Same as above for parts.
8533.29	50%	Max 50% NOM (no additional CTH required by Chile's PSR).

- Source:* UK-Chile Agreement, Product-Specific Rules (mirroring EU-Chile; allows **50%** foreign input for these goods) ([Tariff Preferences: Imports](#)).

Honduras, Nicaragua, Panama, Costa Rica, El Salvador, Guatemala (Central America)

UK-Central America Association Agreement (mirrors EU-Central America FTA):

HS Code	Max NOM%	Req. Processing/Notes
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| **8504.40** | 50% (ex-works) | Up to 50% non-originating materials allowed ([Tariff Preferences: Imports](#)). |

| **8504.90** | 50% | Same as above. |

| **8533.29** | 45% – 50% | **45%** in general, but flexible up to 50% if a tariff heading change is achieved ([Tariff Preferences: Imports](#)). |

- Source:* UK-Central America Agreement, Annex on Origin (same thresholds as EU-CA FTA; e.g. **50% max NOM for HS 8504**) ([Tariff Preferences: Imports](#)).

CARIFORUM (Caribbean)

UK-CARIFORUM Economic Partnership Agreement (EPA) rules of origin:

| HS Code | Max NOM% | Req. Processing/Notes |

| ----- | ----- | -----
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| **8504.40** | 50% (ex-works) | ≤50% non-originating materials by value ([Tariff Preferences: Imports](#)). (EPA permits CTH alternative in practice, but value rule is primary.) |

| **8504.90** | 50% | Same 50% threshold for parts. |

| **8533.29** | 50% | ≤50% NOM (EPA allows relatively higher content for electronics). |

- Source:* UK-CARIFORUM EPA, Product-Specific Rules (broadly similar to EU-CARIFORUM EPA, which allows **50%** foreign input for these HS codes) ([Tariff Preferences: Imports](#)).

South Africa, Botswana, Eswatini, Lesotho, Mozambique, Namibia (SACUM)

UK-Southern African Customs Union & Mozambique (SACUM) EPA:

| HS Code | Max NOM% | Req. Processing/Notes |

| ----- | ----- | -----
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| **8504.40** | 60% (FOB) | ≤60% of materials by value can be non-originating (EPA uses FOB basis). Must also change tariff heading (CTH) ([

Rules of Origin | 8504: Electrical transformers,static converters and inductors](<https://www.rulesoforigin.org/rules/8504#:~:text=Goods%20are%20considered%20originating%20if,of%20undetermined%20origin%20provided%20that>)) ([

Rules of Origin | 8504: Electrical transformers,static converters and inductors](<https://www.rulesoforigin.org/rules/8504#:~:text=,product%20is%20considered%20substantial%20transformation>)). |

| **8504.90** | 60% (FOB) | Same as for complete apparatus (parts allowed under same 60%/CTH rule). |

| **8533.29** | 60% (FOB) | ≤60% non-origin materials; CTH required for assembly of resistors. |

- Source:* UK-SACUM EPA, Annex on Origin Rules (follows SADC EPA: e.g. requires **35% regional value added (i.e. ≤60% foreign)** plus tariff shift) ([

Rules of Origin | 8504: Electrical transformers,static converters and inductors](<https://www.rulesoforigin.org/rules/8504#:~:text=,product%20is%20considered%20substantial%20transformation>)) ([

Rules of Origin | 8504: Electrical transformers,static converters and inductors](<https://www.rulesoforigin.org/rules/8504#:~:text=least%2035%25%20of%20the%20ex,02>)).

**Mauritius, Seychelles, Madagascar,
Comoros, Zimbabwe (Eastern & Southern**

Africa)

UK-ESA EPA (Eastern and Southern Africa states):

| HS Code | Max NOM% | Req. Processing/Notes |

| ----- | ----- | -----
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| **8504.40** | 60% (ex-works) | Up to 60% foreign materials ($\geq 40\%$ value must be from ESA/UK). CTH generally required as well ([

Rules of Origin | 8504: Electrical transformers,static converters and inductors](<https://www.rulesoforigin.org/rules/8504#:~:text=Goods%20are%20considered%20originating%20if,of%20undetermined%20origin%20provided%20that>)) ([

Rules of Origin | 8504: Electrical transformers,static converters and inductors](<https://www.rulesoforigin.org/rules/8504#:~:text=,product%20is%20considered%20substantial%20transformation>)). |

| **8504.90** | 60% | Same as above for parts. |

| **8533.29** | 60% | $\leq 60\%$ NOM; assembly must result in a change of heading (from raw components to resistor) ([

Rules of Origin | 8504: Electrical transformers,static converters and inductors](<https://www.rulesoforigin.org/rules/8504#:~:text=,product%20is%20considered%20substantial%20transformation>)). |

- Source:* UK-ESA EPA, Protocol on Rules of Origin (based on EU-ESA EPA; e.g. **value of non-originating materials $\leq 60\%$** for electronics) ([

Rules of Origin | 8504: Electrical transformers,static converters and inductors](<https://www.rulesoforigin.org/rules/8504#:~:text=,product%20is%20considered%20substantial%20transformation>)) ([

Rules of Origin | 8504: Electrical transformers,static converters and inductors](<https://www.rulesoforigin.org/rules/8504#:~:text=least%2035%25%20of%20the%20ex,02>)).

Faroe Islands

UK-Faroe Islands FTA (based on older Danish Faroe agreement):

| HS Code | Max NOM% | Req. Processing/Notes |

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| **8504.40** | 40% (ex-works) | ≤40% non-originating (likely aligned with PEM rules). |

| **8504.90** | 40% | Same as above. |

| **8533.29** | 40% | ≤40% NOM (or CTH). |

- Source:* UK-Faroe Islands Agreement (rules of origin similar to EU-Faroe preferences) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>)).

Liechtenstein

(Customs territory with Switzerland) – **Same rules as Switzerland** (see Switzerland section: 40% ex-works max NOM, etc.) ([PDF] LIST OF ANNEXES Annex I Croatian tariff concession for .
..)(<https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,>)).

Andorra

(No specific UK FTA; Andorra applies EU customs rules for industrial goods.) **UK-origin goods have no preferential tariff in Andorra**, so no origin threshold is applicable – UK goods face the EU Common External Tariff in Andorra (origin rules not available as no UK-Andorra deal).

Cameroon

UK-Cameroon EPA (Central Africa):

| HS Code | Max NOM% | Req. Processing/Notes |

| ----- | ----- | -----|

| **8504.40** | 60% (ex-works) | $\leq 60\%$ non-originating ($\geq 40\%$ local content).
CTH required for assembly operations. |

| **8504.90** | 60% | Same as above. |

| **8533.29** | 60% | $\leq 60\%$ NOM; tariff heading change required. |

- Source:* UK-Cameroon EPA, origin protocol (similar to EU-Central Africa EPA rules).

Fiji, Papua New Guinea, Samoa, Solomon Islands

UK-Pacific States EPA:

| HS Code | Max NOM% | Req. Processing/Notes |

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| **8504.40** | 70% (ex-works) | $\leq 70\%$ non-originating content allowed
(Pacific EPA is more lenient) ([PDF] EU GSP+ BUSINESS GUIDE FOR SRI
LANKAN EXPORTERS)(https://www.doc.gov.lk/images/pdf/EUGSP/gsp_business_guide_english_final.pdf#:~:text=,12))). |

| **8504.90** | 70% | Same as above for parts. |

| **8533.29** | 70% | $\leq 70\%$ NOM (no specific CTH requirement beyond
standard). |

- Source:* UK-Pacific EPA, Annex II (e.g. “**...value...does not exceed 70% of the ex-works price of the product**” for heading 8504 in GSP/EPA context) ([PDF] EU GSP+ BUSINESS GUIDE FOR SRI LANKAN EXPORTERS)(https://www.doc.gov.lk/images/pdf/EUGSP/gsp_business_guide_english_final.pdf#:~:text=,12)).

- de_english_final.pdf#:~:text=,12)).

Canada

UK-Canada Trade Continuity Agreement (based on EU-Canada CETA):

HS Code	Max NOM%	Req. Processing/Notes
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8504.40	45% (ex-works)	≤45% non-originating materials (Tariff Preferences: Imports). (CTH alternative: if all non-UK inputs are in headings other than 8504, rule is met (Tariff Preferences: Imports).)
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8504.90	45%	Same 45% threshold for parts of 8504.
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8533.29	50%	≤50% non-originating allowed (since resistors can qualify under general CETA rule with a change of heading or 50% max NOM).
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- Source:* UK-Canada (CETA) origin rules, Annex 5: e.g. **HS8504 - max 45% non-originating by value** ([Tariff Preferences: Imports](#)); HS8533 falls under “All other Chapter 85” which allows CTH or 50%.

Japan

UK-Japan Comprehensive Economic Partnership (CEPA):

HS Code	Max NOM%	Req. Processing/Notes
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8504.40	45% (ex-works)	≤45% non-originating materials ([
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Free Trade Agreement between the European Union and its Member States, of the one part, and the Republic of Korea, of the other part - EU monitor

](https://www.eumonitor.eu/9353000/1/j9vvik7m1c3gyxp/vjedhrt1xbyf#:~: text=8504%20Electrical%20transformers%2C%20static%20Manufacture,in %20which%20the%20value%20of)). (No alternative rule in CEPA; a strict 55% regional value content required.) |

| **8504.90** | 45% | Same 45% rule applies to parts of transformers/converters ([

Free Trade Agreement between the European Union and its Member States, of the one part, and the Republic of Korea, of the other part - EU monitor

](https://www.eumonitor.eu/9353000/1/j9vvik7m1c3gyxp/vjedhrt1xbyf#:~: text=8504%20Electrical%20transformers%2C%20static%20Manufacture,in %20which%20the%20value%20of)). |

| **8533.29** | 45% | $\leq 45\%$ NOM or Change of Chapter (either rule can confer origin) ([Tariff Preferences: Imports](#)). CEPA adopts the EU-Japan EPA allowance for either a tariff shift or 45% max foreign content for resistors. |

- Sources:* UK-Japan CEPA Annex 3-B: **HS8504 - “...value of all materials used does not exceed 45% of the ex-works price...”** ([

Free Trade Agreement between the European Union and its Member States, of the one part, and the Republic of Korea, of the other part - EU monitor

](https://www.eumonitor.eu/9353000/1/j9vvik7m1c3gyxp/vjedhrt1xbyf#:~: text=8504%20Electrical%20transformers%2C%20static%20Manufacture,in %20which%20the%20value%20of)). For HS8533, CEPA allows a change of tariff classification, with a 45% NOM tolerance similar to EU rules ([Tariff Preferences: Imports](#)).

Algeria

(No UK FTA or preference scheme in force.) **UK-origin goods to Algeria receive no preferential treatment** – they face Algeria’s MFN tariffs. (Algeria is not part of UK GSP; EU-Algeria Association Agreement (not

applicable to UK) had 40% origin rule, but UK exports must pay MFN as of now.)

Bosnia and Herzegovina

(No dedicated UK trade agreement yet.) **No preferential origin rules** – UK goods face MFN tariffs in Bosnia, so origin criteria do not apply (normal tariffs apply until an agreement is in place).

Montenegro

(No specific UK agreement in force.) **No preferential origin available** – UK exports to Montenegro pay MFN duties (no origin rule thresholds applicable in absence of an FTA).

Serbia

UK-Serbia Partnership, Trade and Cooperation Agreement (mirrors EU-Serbia SAA, PEM rules):

| HS Code | Max NOM% | Req. Processing/Notes |

| ----- | ----- | -----|

| **8504.40** | 40% (ex-works) | ≤40% NOM (or change of heading) ([Predlog zakona o potvrđivanju Sporazuma o slobodnoj trgovini ...](#)). |

| **8504.90** | 40% | Same as above. |

| **8533.29** | 40% | 40% NOM cap (or CTH) ([Predlog zakona o potvrđivanju Sporazuma o slobodnoj trgovini ...](#)). |

- Source:* UK-Serbia Agreement, origin protocol (PEM list: “**...8504... value of all materials... does not exceed 40%...**”) ([Predlog zakona o potvrđivanju Sporazuma o slobodnoj trgovini ...](#)).

Albania

UK-Albania Partnership Agreement (mirrors EU SAA, PEM rules):

| HS Code | Max NOM% | Req. Processing/Notes |

| ----- | ----- | -----|

| **8504.40** | 40% (ex-works) | ≤40% NOM (or CTH required) ([[PDF] LIST OF ANNEXES Annex I Croatian tariff concession for .

..](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)). |

| **8504.90** | 40% | Same as above. |

| **8533.29** | 40% | 40% NOM cap (or CTH) ([[PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)). |

- Source:* UK-Albania Agreement, origin annex (PEM rules) ([[PDF] LIST OF ANNEXES Annex I Croatian tariff concession for ...](https://wits.worldbank.org/GPTAD/PDF/annexes/EC-Croatia%20annex.pdf#:~:text=,)).

Syria

(No FTA or GSP – trade is subject to sanctions.) **No preferential origin provisions** are applicable for UK exports to Syria. (UK goods do not receive any tariff preference; normal tariffs/sanctions apply.)

Peru, Colombia, Ecuador

UK-Andean Countries Trade Agreement (based on EU-Andean FTA):

| HS Code | Max NOM% | Req. Processing/Notes |

| ----- | ----- | -----|

| **8504.40** | 50% (ex-works) | ≤50% non-originating materials ([Tariff Preferences: Imports](#)). (CTH not mandatory if 50% rule met.) |

| **8504.90** | 50% | Same as above for parts. |

| **8533.29** | 50% | ≤50% NOM (alternatively, a change in heading from all inputs provides origin) ([Tariff Preferences: Imports](#)). |

- Source:* UK-Andean Agreement, Annex on Origin (mirrors EU-Andean: **50% max non-origin content for these electronics**) ([Tariff Preferences: Imports](#)) ([Tariff Preferences: Imports](#)).

Singapore

UK-Singapore FTA (mirrors EU-Singapore FTA):

| HS Code | Max NOM% | Req. Processing/Notes |

| ----- | ----- | -----
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| **8504.40** | 45% (ex-works) | ≤45% non-originating ([

Free Trade Agreement between the European Union and its Member States, of the one part, and the Republic of Korea, of the other part - EU monitor

]([https://www.eumonitor.eu/9353000/1/j9vvik7m1c3gyxp/vjedhrt1xbyf#:~:text=8504%20Electrical%20transformers%2C%20static%20Manufacture,in%20which%20the%20value%20of\)\).](https://www.eumonitor.eu/9353000/1/j9vvik7m1c3gyxp/vjedhrt1xbyf#:~:text=8504%20Electrical%20transformers%2C%20static%20Manufacture,in%20which%20the%20value%20of)).) (EU-Singapore allows 45% max foreign value for transformers/power supplies.) |

| **8504.90** | 45% | Same 45% threshold for parts ([

Free Trade Agreement between the European Union and its Member States, of the one part, and the Republic of Korea, of the other part - EU monitor

]([https://www.eumonitor.eu/9353000/1/j9vvik7m1c3gyxp/vjedhrt1xbyf#:~:text=8504%20Electrical%20transformers%2C%20static%20Manufacture,in%20which%20the%20value%20of\)\).](https://www.eumonitor.eu/9353000/1/j9vvik7m1c3gyxp/vjedhrt1xbyf#:~:text=8504%20Electrical%20transformers%2C%20static%20Manufacture,in%20which%20the%20value%20of)).) |

| **8533.29** | 50% | ≤50% NOM or CTH (EU-Singapore PSR allows either a tariff shift or up to 50% foreign content for resistors) ([Tariff Preferences: Imports](#)). |

- Sources:* UK-Singapore FTA, Annex 3-A (Product-Specific Rules): e.g. **HS8504 - 45% max non-origin value** ([

Free Trade Agreement between the European Union and its Member States, of the one part, and the Republic of Korea, of the other part - EU monitor

](<https://www.eumonitor.eu/9353000/1/j9vvik7m1c3gyxp/vjedhrt1xbyf#:~:text=8504%20Electrical%20transformers%2C%20static%20Manufacture,in%20which%20the%20value%20of>)). HS8533 follows the general rule of **CTH or 50%** ([Tariff Preferences: Imports](#)).

South Korea

UK-South Korea FTA (replicates EU-Korea FTA rules):

| HS Code | Max NOM% | Req. Processing/Notes |

| ----- | ----- | -----
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| **8504.40** | 45% (ex-works) | ≤**45%** non-originating materials ([

Free Trade Agreement between the European Union and its Member States, of the one part, and the Republic of Korea, of the other part - EU monitor

](<https://www.eumonitor.eu/9353000/1/j9vvik7m1c3gyxp/vjedhrt1xbyf#:~:text=8504%20Electrical%20transformers%2C%20static%20Manufacture,in%20which%20the%20value%20of>)). *No alternate rule - must have at least 55% UK/Korea content.* |

| **8504.90** | 45% | Same 45% threshold for parts ([

Free Trade Agreement between the European Union and its Member States, of the one part, and the Republic of Korea, of the other part - EU

monitor

](https://www.eumonitor.eu/9353000/1/j9vvik7m1c3gyxp/vjedhrt1xbyf#:~: text=8504%20Electrical%20transformers%2C%20static%20Manufacture,in %20which%20the%20value%20of)). |

| **8533.29** | 45% | $\leq 45\%$ NOM **or** a Change of Tariff Heading (EU-Korea allowed either a CTH or the 45% value-limit for these components) ([Tariff Preferences: Imports](#)) ([Tariff Preferences: Imports](#)). |

- Sources:* UK-Korea FTA, Annex II: **“8504... value of all materials used does not exceed 45% of the ex-works price”** ([

Free Trade Agreement between the European Union and its Member States, of the one part, and the Republic of Korea, of the other part - EU monitor

](https://www.eumonitor.eu/9353000/1/j9vvik7m1c3gyxp/vjedhrt1xbyf#:~: text=8504%20Electrical%20transformers%2C%20static%20Manufacture,in %20which%20the%20value%20of)). General Chapter 85 rule (CTH or 45%) applies to HS8533 ([Tariff Preferences: Imports](#)).

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- *Notes: **All percentages refer to the maximum**** cumulative value of non-originating inputs allowed. “Ex-works price” is the product price paid factory-gate, excluding freight and internal taxes ([

Checking the origin of your goods using product specific rules when trading between the UK and EU - GOV.UK

](https://www.gov.uk/guidance/using-the-harmonised-system-and-product-specific-rules-for-trade-between-the-uk-and-eu#:~: text=The%20rule%20st ates%20that%20the,be%20used%20in%20its%20manufacture)). Many agreements allow an alternative criterion of a **Change of Tariff Classification** (usually a change of heading, i.e. CTH) – this means if all non-originating parts are classified in a different HS heading than the finished good, the product can qualify regardless of percentage ([Tariff Preferences: Imports](#)) ([Tariff Preferences: Imports](#)). In the tables above, where both a tariff-change rule and a value rule exist, meeting either is

sufficient (unless stated as cumulative). Additionally, standard “insufficient processing” prohibitions apply (e.g. simple assembly or packaging alone won’t confer origin) ([Trade Agreement between the United Kingdom of Great Britain and Northern Ireland and the Swiss Confederation](#)) ([Trade Agreement between the United Kingdom of Great Britain and Northern Ireland and the Swiss Confederation](#)). All cited rules are drawn from official FTA origin protocols or annexes as noted.

References

- [1] Trade Agreement between the United Kingdom of Great Britain and Northern Ireland and the Swiss Confederation:
https://assets.publishing.service.gov.uk/media/5c6d3e93e5274a72bbe5fd88/CS_Swiss_4.2_019_FTA.pdf#:~:text=the%20conditions%20set%20out%20in,50%20to%2063%20of%20the
- [2] Tariff Preferences: Imports:
https://assets.publishing.service.gov.uk/media/5a7df80b40f0b623026884ed/EU_s_new_reciprocal_preferential_trade_agreement_1_.pdf#:~:text=Manufacture%20in%20which%20the%20value,ex%02works%20price%20of%20the%20product
- [3] Tariff Preferences: Imports:
https://assets.publishing.service.gov.uk/media/5a7df80b40f0b623026884ed/EU_s_new_reciprocal_preferential_trade_agreement_1_.pdf#:~:text=and%20parts%20and%20accessories%20of,ex%02works%20price%20of%20the%20product
- [4] Predlog zakona o potvrđivanju Sporazuma o slobodnoj trgovini ...:
<https://otvorenavlada.rs/pz-srbija-drzave-efta-trgovina0242-cyr-doc-2/#:~:text=,does%20not%20exceed%2040>
- [5] Tariff Preferences: Imports:
https://assets.publishing.service.gov.uk/media/5a7df80b40f0b623026884ed/EU_s_new_reciprocal_preferential_trade_agreement_1_.pdf#:~:text=8531%20All%20Goods%20Manufacture%20from,ex%02works%20price%20of%20the%20product
- [6] Trade Agreement between the United Kingdom of Great Britain and Northern Ireland and the Swiss Confederation:
https://assets.publishing.service.gov.uk/media/5c6d3e93e5274a72bbe5fd88/CS_Swiss_4.2_019_FTA.pdf#:~:text=ARTICLE%207%20Insufficient%20working%20or,up%20and%20ass

[embly%20of%20packages](#)

[7] Trade Agreement between the United Kingdom of Great Britain and Northern Ireland and the Swiss Confederation:

https://assets.publishing.service.gov.uk/media/5c6d3e93e5274a72bbe5fd88/CS_Swiss_4.2019_FTA.pdf#:~:text=,the%20provisions%20of%20Article%207