

Document Receipt Acknowledgement
Date: Section: Name:



Document Number: D10102-A-G0190

Date: Aug. 1, 2026

Attention:

FARNELL ELEC COMPONENTS LTD

Product Withdrawal Notice

Various Inductor & Transformer Series and AC/DC

Dear. Valued Customer

Thank you very much for your great and continued support for business with Murata.
This is the official notification that some of our products will be discontinued as detailed below.
Please review this, and place Last Time Buy Order by the Last Time Order Due Date as needed.
Your understanding and support are highly appreciated.

1. Product Type, Customer/Murata/Alternative Part Numbers:

Product Type: Various Inductor & Transformer Series and AC/DC

Please refer to the attached documents for detailed Part Numbers' information.

2. Reasons/Background:

Product obsolescence of low volume mature part numbers
with limited remaining customer base due to their product age

3. Product Withdrawal Schedule:

Last Time Order Due (*): Sep. 30, 2027

Last Shipment Date: Mar. 31, 2028

*: Last Time Order is the subject to Minimum Order Quantity and Package Quantity.
Order Cancel and Product Return can be accepted only in the case of quality issue.
Please place Last Time Buy Order by the Last Time Order Due Date as needed.
We cannot receive any orders after Last Time Order Due.

4. Contact Window:

Should you have any questions or concerns,
please contact Murata Sales, Representative, or Distributor in your area.

Truly Yours. Thank you.

Murata Manufacturing, Co., Ltd.
PPT NCL Product Manager
Ann-Marie Bayliss

Sales History

Please find the list below for the target part numbers which are registered as yours in Murata. (Customer Part Number)

Regardless of the list below, all part numbers shall be the target as far as they are categorized into the Product Type indicated in the Document.

Alternative Part Number: Pin Structure, Electrical Characteristics could be identical to or different from the current product.

Account Number	Customer Name	Customer Part Number	Murata Part Number	Alternative Part Number	Sales Quantity (Unit: pieces)						Memo
					2021FY	2022FY	2023FY	2024FY	2025FY	2026FY till Jun.	
G0191	FARNELL ELEC COMPONENTS LTD	1454884	78602/2C	N/A	0	1,200	400	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	1454885	78604/1C	N/A	450	200	200	150	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	1454886	78604/2C	N/A	250	0	0	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	1454887	78615/1C	N/A	350	0	0	50	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	1454888	78615/2C	N/A	50	100	0	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	2309153	1410524C	1410516C	420	585	120	150	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	2871342	78613/3C	N/A	100	0	0	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	2871344	1415513C	1415514C	75	0	25	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3263481	BAC1S05SC	N/A	70	245	420	35	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3263482	BAC1S12SC	N/A	35	0	0	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3642649	BAC3S05DC	N/A	20	20	0	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3642650	BAC3S12DC	N/A	20	40	0	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3642651	BAC3S24DC	N/A	20	0	0	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3642652	BAC05S05DC	N/A	20	40	0	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3642654	BAC05S12DC	N/A	20	80	640	120	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3642655	BAC05S24DC	N/A	20	0	0	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760481	1410313C	N/A	50	50	50	25	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760483	1410517C	1410516C	500	0	50	100	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760484	1410604C	1410605C	125	0	25	25	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760486	1410606C	1410605C	75	15	45	45	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760487	1415312C	N/A	25	250	350	250	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760488	1415449C	1415440C	50	100	75	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760489	1415465C	1415440C	75	60	0	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760491	1415517C	1415514C	45	15	30	15	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760493	1415605C	N/A	90	0	30	45	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760494	1422441C	1422455C	450	75	50	100	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760496	1422604C	N/A	45	15	60	30	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760498	1433393C	N/A	50	150	100	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760499	1433433C	1433445C	75	150	75	75	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760502	1447383C	1447385C	200	75	0	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760503	1447427C	1447440C	50	0	0	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760504	1447508C	N/A	25	25	25	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760505	1447509C	N/A	30	15	15	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760508	1468431C	1468422C	90	0	45	15	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760512	1468508C	1468507C	15	30	165	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760569	78601/16C	N/A	50	150	0	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760573	78601/3JC	N/A	50	450	0	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760574	78601/4JC	N/A	50	50	0	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760576	78602/16C	N/A	100	100	50	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760585	78604/16C	N/A	100	0	0	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760587	78615/16JC	N/A	50	50	100	50	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760588	78615/2JC	N/A	100	0	150	50	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760589	78615/3JC-R	N/A	136	0	0	0	0	0	
G0191	FARNELL ELEC COMPONENTS LTD	3760590	78615/4JC	N/A	50	200	0	0	0	0	
G0199	FARNELL ELEC COMPONENTS LTD	1454885	78604/1C	N/A	0	0	100	0	0	0	
G0199	FARNELL ELEC COMPONENTS LTD	1454886	78604/2C	N/A	0	0	50	0	0	0	

Part Number List

Please find the list below for the target part numbers which are registered as yours in Murata. (Customer Part Number)

Regardless of the list below, all part numbers shall be the target as far as they are categorized into the Product Type indicated in the Document.

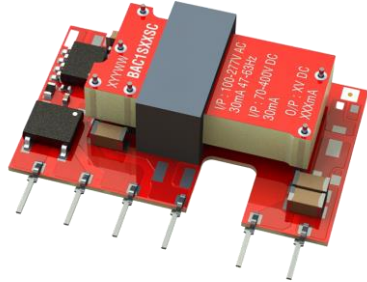
Alternative Part Number: Pin Structure, Electrical Characteristics could be identical to or different from the current product.

Customer Part Number	Murata Part Number	Alternative Part Number	Sales Quantity (Unit: pieces)						Memo
			2021FY	2022FY	2023FY	2024FY	2025FY	2026FY till Jun.	
1454884	78602/2C	N/A	0	1,200	400	0	0	0	
1454885	78604/1C	N/A	450	200	300	150	0	0	
1454886	78604/2C	N/A	250	0	50	0	0	0	
1454887	78615/1C	N/A	350	0	0	50	0	0	
1454888	78615/2C	N/A	50	100	0	0	0	0	
2309153	1410524C	1410516C	420	585	120	150	0	0	
2871342	78613/3C	N/A	100	0	0	0	0	0	
2871344	1415513C	1415514C	75	0	25	0	0	0	
3263481	BAC1S05SC	N/A	70	245	420	35	0	0	
3263482	BAC1S12SC	N/A	35	0	0	0	0	0	
3642649	BAC3S05DC	N/A	20	20	0	0	0	0	
3642650	BAC3S12DC	N/A	20	40	0	0	0	0	
3642651	BAC3S24DC	N/A	20	0	0	0	0	0	
3642652	BAC05S05DC	N/A	20	40	0	0	0	0	
3642654	BAC05S12DC	N/A	20	80	640	120	0	0	
3642655	BAC05S24DC	N/A	20	0	0	0	0	0	
3760481	1410313C	N/A	50	50	50	25	0	0	
3760483	1410517C	1410516C	500	0	50	100	0	0	
3760484	1410604C	1410605C	125	0	25	25	0	0	
3760486	1410606C	1410605C	75	15	45	45	0	0	
3760487	1415312C	N/A	25	250	350	250	0	0	
3760488	1415449C	1415440C	50	100	75	0	0	0	
3760489	1415465C	1415440C	75	60	0	0	0	0	
3760491	1415517C	1415514C	45	15	30	15	0	0	
3760493	1415605C	N/A	90	0	30	45	0	0	
3760494	1422441C	1422455C	450	75	50	100	0	0	
3760496	1422604C	N/A	45	15	60	30	0	0	
3760498	1433393C	N/A	50	150	100	0	0	0	
3760499	1433433C	1433445C	75	150	75	75	0	0	
3760502	1447383C	1447385C	200	75	0	0	0	0	
3760503	1447427C	1447440C	50	0	0	0	0	0	
3760504	1447508C	N/A	25	25	25	0	0	0	
3760505	1447509C	N/A	30	15	15	0	0	0	
3760508	1468431C	1468422C	90	0	45	15	0	0	
3760512	1468508C	1468507C	15	30	165	0	0	0	
3760569	78601/16C	N/A	50	150	0	0	0	0	
3760573	78601/3JC	N/A	50	450	0	0	0	0	
3760574	78601/4JC	N/A	50	50	0	0	0	0	
3760576	78602/16C	N/A	100	100	50	0	0	0	
3760585	78604/16C	N/A	100	0	0	0	0	0	
3760587	78615/16JC	N/A	50	50	100	50	0	0	
3760588	78615/2JC	N/A	100	0	150	50	0	0	
3760589	78615/3JC-R	N/A	136	0	0	0	0	0	
3760590	78615/4JC	N/A	50	200	0	0	0	0	

Murata PN	Series	Inductance	Current (A)	DCR (Ω)	Suggested Active Alternative Murata PN	Current (A)	DCR (Ω)	Comment
1410313C	1400	10μH	13	0.0090	Not Available			
1410460/5C	1400				1410460C			Standard pin length
1410517C	1400	1.0mH	1.7	0.3360	1410516C	1.600	0.4600	Slightly lower current, higher DCR
1410524C	1400	1.0mH	2.4	0.2770	1410516C	1.600	0.4600	Lower current, higher DCR
1410604C	1400	10mH	0.4	4.3400	1410605C	0.500	3.6000	Higher current, lower DCR
1410606C	1400	10mH	0.6	2.6000	1410605C	0.500	3.6000	Slightly lower current, higher DCR
1415312C	1400	15μH	12	0.0090	Not Available			
1415449C	1400	150μH	4.9	0.0550	1415440C	4.000	0.0690	Lower current, higher DCR
1415465C	1400	150μH	6.5	0.0420	1415440C	4.000	0.0690	Lower current, higher DCR
1415513C	1400	1.5mH	1.3	0.6800	1415514C	1.400	0.5500	Higher current, lower DCR
1415517C	1400	1.5mH	1.7	0.3740	1415514C	1.400	0.5500	Lower current, higher DCR
1415604C	1400	15mH	0.4	5.5000	Not Available			
1415605C	1400	15mH	0.5	3.7400	Not Available			
1422441C	1400	220μH	4.1	0.0730	1422455C	5.500	0.0620	Higher current, lower DCR
1422512C	1400	2.2mH	1.2	0.7000	1422514C	1.400	0.6220	Higher current, lower DCR
1422604C	1400	22mH	0.4	6.9620	Not Available			
1430433C	1400	300μH	3.3	0.1000	1430450C	5.000	0.0800	Higher current, lower DCR
1433393C	1400	33μH	9.3	0.0170	Not Available			
1433433/5C	1400	330μH	3.3	0.1200	1433445C	4.500	0.0910	Higher current, lower DCR
1433433C	1400	330μH	3.3	0.1200	1433445C	4.500	0.0910	Higher current, lower DCR
1447383C	1400	47μH	8.3	0.0190	1447385C	8.500	0.0210	Very close electrical match
1447423/4C	1400				1447423C			Standard pin length
1447427C	1400	470μH	2.7	0.1600	1447440C	4.000	0.1250	Higher current, lower DCR
1447506C	1400	4.7mH	0.6	2.2000	Not Available			
1447508C	1400	4.7mH	0.8	1.6000	Not Available			
1447509C	1400	4.7mH	0.9	1.4000	Not Available			
1468431C	1400	680μH	3.1	0.1730	1468422C	2.200	0.2260	Lower current, higher DCR
1468505C	1400	6.8mH	0.5	2.8800	1468507C	0.700	2.3000	Higher current, lower DCR
1468508C	1400	6.8mH	0.8	2.1000	1468507C	0.700	2.3000	Slightly lower current, higher DCR
22R103MC	2200RM				1255AY-470M=P3			Same inductance value. Higher current, lower DC resistance and smaller package.
22R104MC	2200RM				1255AY-680M=P3			Same inductance value. Higher current, similar DC resistance and smaller package.
22R153MC	2200RM				1255AY-101M=P3			Same inductance value. Higher current, slightly higher DC resistance and smaller package.
22R154MC	2200RM				LQH5BPN151M38			Same inductance value. Higher current, lower DC resistance and smaller package.
22R155MC	2200RM				MDH10060C-221MB=P3			Same inductance value. Higher current, lower DC resistance and smaller package.
22R156MC	2200RM				MDH10060C-331MB=P3			Same inductance value. Higher current, lower DC resistance and smaller package.
22R224MC	2200RM				MDH10060C-471MB=P3			Same inductance value. Higher current, lower DC resistance and smaller package.
22R225MC	2200RM				MDH10060C-681MB=P3			Same inductance value. Higher current, lower DC resistance and smaller package.
22R334MC	2200RM				LQH55DN102M03L			Lower inductance value. Higher current, lower DC resistance and smaller package.
22R473MC	2200RM				LQH55DN222M03L			Same inductance value. Higher current, lower DC resistance and smaller package.
22R474MC	2200RM				1255AY-100M=P3			Same inductance value. Higher current, lower DC resistance and smaller package.
22R475MC	2200RM				1255AY-150M=P3			Same inductance value. Higher current, lower DC resistance and smaller package.
22R683MC	2200RM				LQH55DN472M03L			Same inductance value. Higher current, higher DC resistance and smaller package.
22R684MC	2200RM				Not Available			
22R685MC	2200RM				Not Available			
78601/16C	786				Not Available			
78601/16JC	786				Not Available			
78601/16JC-R	786				Not Available			
78601/3JC	786				Not Available			
78601/3JC-R	786				Not Available			
78601/4C	786				Not Available			
78601/4JC	786				Not Available			
78601/4JC-R	786				Not Available			
78601/8C	786				Not Available			
78601/8JC	786				Not Available			
78601/8JC-R	786				Not Available			
78602/16C	786				Not Available			
78602/2C	786				Not Available			
78602/3C	786				Not Available			
78602/3JC	786				Not Available			
78602/3JC-R	786				Not Available			
78602/4C	786				Not Available			
78602/4JC	786				Not Available			
78602/4JC-R	786				Not Available			
78602/8C	786				Not Available			
78604/16C	786				Not Available			
78604/16JC	786				Not Available			
78604/16JC-R	786				Not Available			
78604/1C	786				Not Available			
78604/1JC	786				Not Available			
78604/1JC-R	786				Not Available			
78604/2C	786				Not Available			
78604/2JC	786				Not Available			
78604/2JC-R	786				Not Available			
78604/3C	786				Not Available			
78604/3JC	786				Not Available			
78604/3JC-R	786				Not Available			
78604/4C	786				Not Available			
78604/4JC	786				Not Available			
78604/4JC-R	786				Not Available			
78604/8C	786				Not Available			
78613/16C	786				Not Available			
78613/16JC	786				Not Available			
78613/16JC-R	786				Not Available			
78613/1C	786				Not Available			
78613/1JC	786				Not Available			
78613/1JC-R	786				Not Available			
78613/2JC	786				Not Available			
78613/2JC-R	786				Not Available			
78613/3C	786				Not Available			
78613/3JC	786				Not Available			
78613/3JC-R	786				Not Available			
78613/4C	786				Not Available			
78613/4JC	786				Not Available			
78613/4JC-R	786				Not Available			
78613/8C	786				Not Available			
78613/9C	786				Not Available			
78615/16C	786				Not Available			
78615/16JC	786				Not Available			
78615/16JC-R	786				Not Available			

78615/1C	786				Not Available			
78615/1JC	786				Not Available			
78615/1JC-R	786				Not Available			
78615/2C	786				Not Available			
78615/2JC	786				Not Available			
78615/2JC-R	786				Not Available			
78615/3C	786				Not Available			
78615/3JC	786				Not Available			
78615/3JC-R	786				Not Available			
78615/4C	786				Not Available			
78615/4JC	786				Not Available			
78615/4JC-R	786				Not Available			
BAC05S05DC	BAC05				Not Available			
BAC05S12DC	BAC05				Not Available			
BAC05S24DC	BAC05				Not Available			
BAC1S05SC	BAC1				Not Available			
BAC1S12SC	BAC1				Not Available			
BAC1S24SC	BAC1				Not Available			
BAC3S05DC	BAC3				Not Available			
BAC3S12DC	BAC3				Not Available			
BAC3S24DC	BAC3				Not Available			

PT0000xxxx FY26 Product Termination

Series	Example image
BAC1	
BAC3	
BAC05	

Series	Example image
1410313C 1410460/5C 1410517C 1410524C 1410604C 1410606C 1415312C 1415449C 1415465C 1415513C 1415517C 1415604C 1415605C 1422441C 1422512C 1422604C 1430433C 1433393C 1433433/5C 1433433C 1447383C 1447423/4C 1447427C 1447506C 1447508C 1447509C 1468431C 1468505C 1468508C	
22R474MC 22R475MC 22R103MC 22R104MC 22R153MC 22R154MC 22R155MC 22R156MC 22R224MC 22R225MC 22R334MC 22R473MC 22R683MC 22R684MC 22R685MC	

Series	Example image
78601/16C 78601/4C 78601/8C 78602/16C 78602/2C 78602/3C 78602/4C 78602/8C 78604/16C 78604/1C 78604/2C 78604/3C 78604/4C 78604/8C 78613/16C 78613/1C 78613/3C 78613/4C 78613/8C 78613/9C 78615/16C 78615/1C 78615/2C 78615/3C 78615/4C	

Series	Example image
78601/16JC 78601/16JC-R 78601/3JC 78601/3JC-R 78601/4JC 78601/4JC-R 78601/8JC 78601/8JC-R 78602/3JC 78602/3JC-R 78602/4JC 78602/4JC-R 78604/16JC 78604/16JC-R 78604/1JC 78604/1JC-R 78604/2JC 78604/2JC-R 78604/3JC 78604/3JC-R 78604/4JC 78604/4JC-R 78613/16JC 78613/16JC-R 78613/1JC 78613/1JC-R 78613/2JC 78613/2JC-R 78613/3JC 78613/3JC-R 78613/4JC 78613/4JC-R 78615/16JC 78615/16JC-R 78615/1JC 78615/1JC-R 78615/2JC 78615/2JC-R 78615/3JC 78615/3JC-R 78615/4JC 78615/4JC-R	