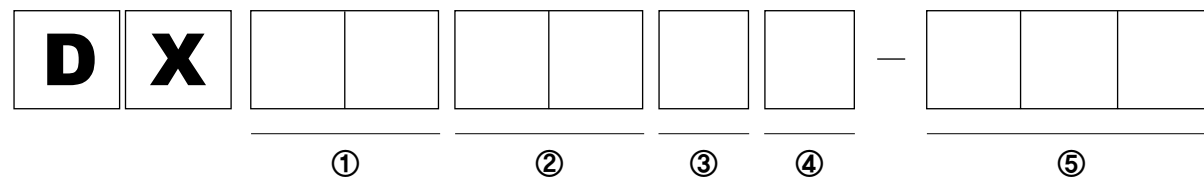




Product Code System



● 1. Shape

CODE	Shape
AI	Air
DR	DR
LC	LC
AD	Air+DR
MS	Micro Strip Line

● 2. Operating Frequency

CODE	Operating Frequency (MHz)
A1	DC ~ 500
B1	500 ~ 700
C1	700 ~ 1000
D1	1000 ~ 1700
E1	1700 ~ 1900
F1	1900 ~ 2200
G1	2200 ~ 2400
H1	2400 ~ 3000
I1	3000 ~ 6000
J1	6000 ~ 15000
K1	15000 ~ 30000
L1	30000 ~

Wideband Frequency Range will be defined using the first character of the start and the stop frequency bands.
Ex) EF = 1700 ~ 2200 (MHz)

● 3. Application

CODE	Application
1	Rx + Tx
2	Rx + Tx + Tx
3	Rx + Tx + Rx
4	Others

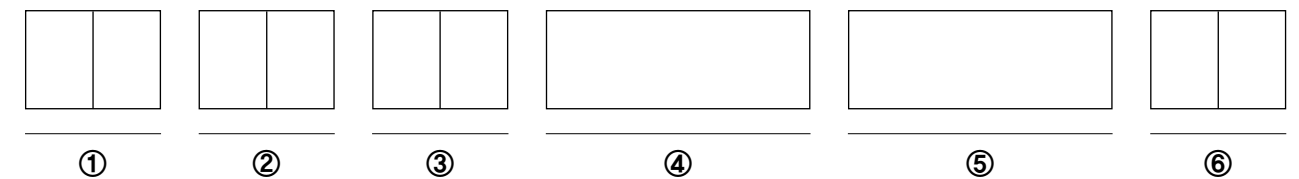
● 4. Function Type

CODE	Function Type
1	DIPLEXER
2	DUPLEXER
3	TRIPLEXER
4	MULTIPLEXER
5	Others

● 5. Serial Number

CODE	Serial Number
nnn	Any combination of Option Codes will be replaced by 3 digits Serial Number according to the development sequence for each model.

Product Code System



● 1. Input Connector Type

CODE	Input Connector Type
16	SMA50
17	SMA75
28	BNC50
29	BNC75
30	TNC50
31	TNC75
34	N50
35	N75
37	7/16 DIN
XX	Others

● 2. Output Connector Type

CODE	Output Connector Type
16	SMA50
17	SMA75
28	BNC50
29	BNC75
30	TNC50
31	TNC75
34	N50
35	N75
37	7/16 DIN
XX	Others

● 3. I/O Port Type

CODE	I/O Port Type
FF	Female - Female
MM	Male - Male
FM	Female - Male
MF	Male - Female

● 4. Center Frequency

CODE	Center Frequency
.	.
10M	10MHz
.	.
824M	824MHz
.	.
2200M	2200MHz
.	.

● 5. Bandwidth

CODE	Bandwidth
.	.
10M	10MHz
.	.
824M	824MHz
.	.
2200M	2200MHz
.	.

● 6. Impedance

CODE	Impedance
50	50 Ohms
75	75 Ohms



Customer Inquiry Form

1. Customer Information

Author Name	
Company	
Phone	
Fax	
E-mail	

2. Electrical Specifications

Frequency Range	
Shape	
Band Width	
Insertion Loss (max)	
Return Loss	
Passband Ripple	
Isolation	
Impedance	
Port Connectors (IN/OUT)	

3. Other Information

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Products Reference Table

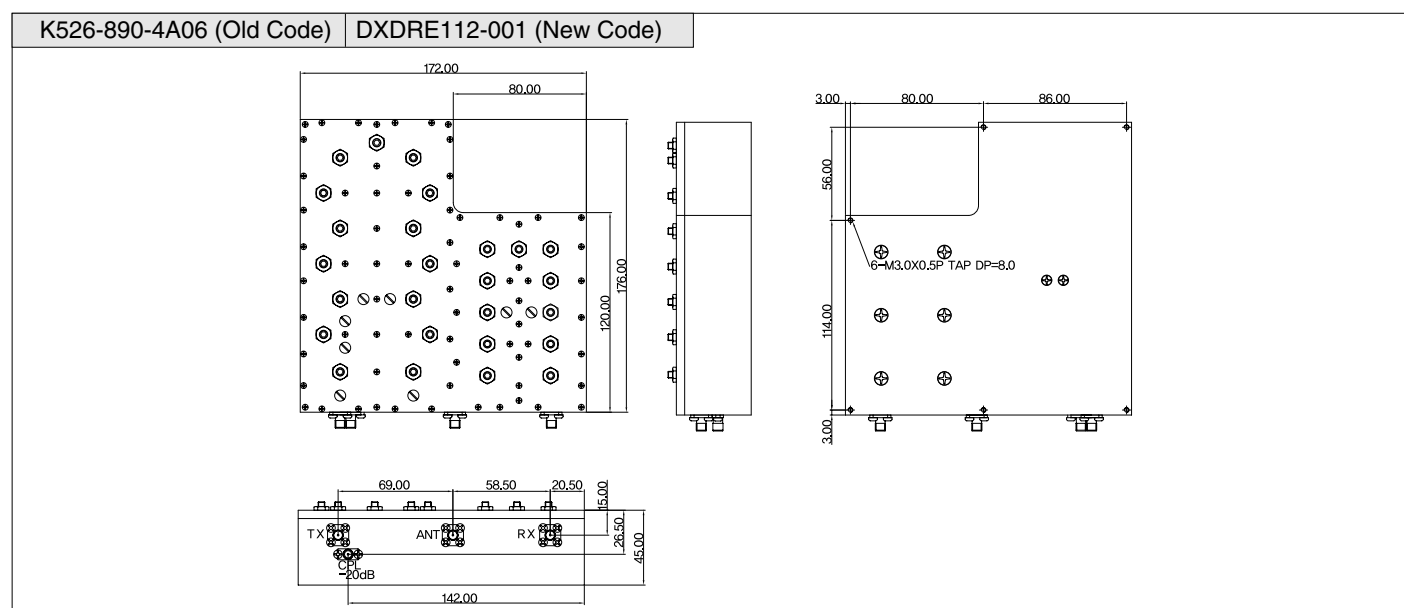
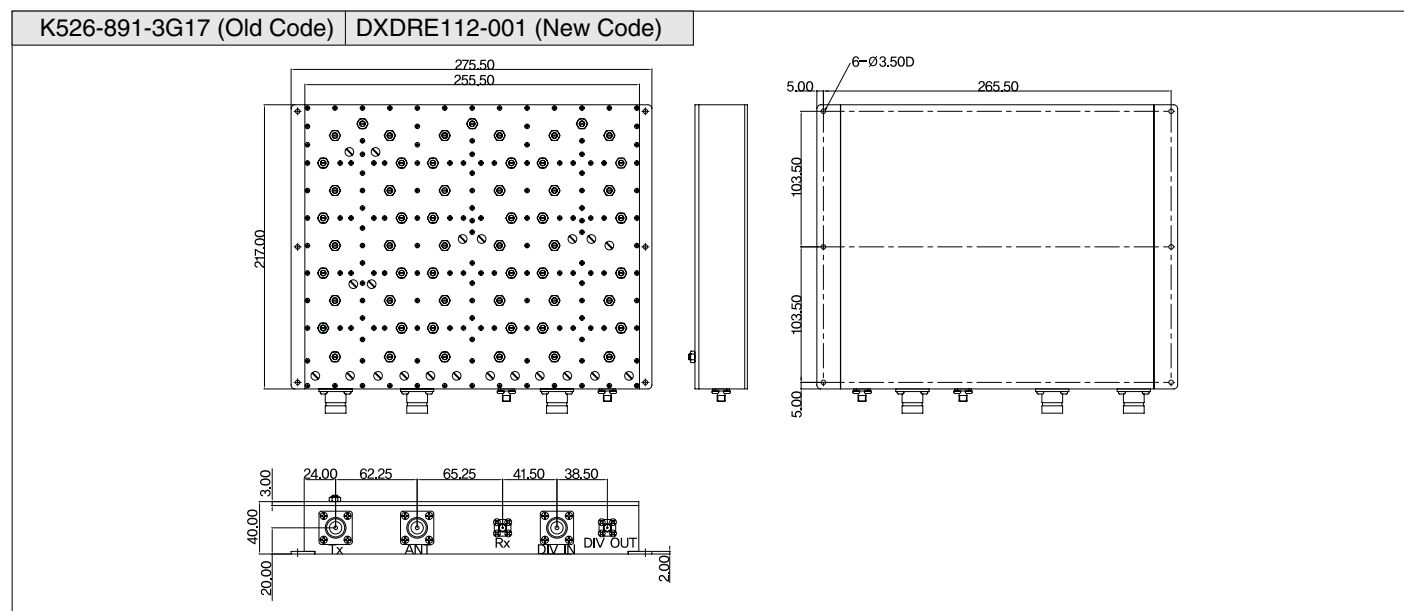
Product Code (Old)	Product Code (New)	Frequency Range (MHz)	Band Width	Insertion Loss dB (max)
K526-891-3G17	DXDRE112-001	Rx: 1760MHz Tx: 1850MHz	18.75 MHz	1.3 dB
K526-890-4A06	DXDRE112-001	Rx: 1760MHz Tx: 1850MHz	18.75 MHz	0.9 dB
K526-891-5M05	DXDRF112-001	Rx: 1970MHz Tx: 2160MHz	20 MHz	1.2, 1.5 dB
K526-891-5M06	DXDRF112-002	Rx: 1970MHz Tx: 2160MHz	20 MHz	1.5, 1.2 dB
K526-810-3B03	DXAIJ112-001	Rx: 902.5MHz Tx: 947.5MHz	25 MHz	1.8 dB
K526-810-3B08	DXAIK112-001	Imt Rx: 1970 MHz, Tx: 2160 MHz	20 MHz	1.0 dB
K526-811-3B10	DXAIE112-001	Pcs Rx: 1760 MHz, Tx: 1850 MHz	20 MHz	1.2 dB
K526-810-3B13	DXAIF112-001	Pcs Rx:1855MHz, Imt Tx:2160MHz	30, 20 MHz	1.0 dB
K526-810-3B14	DXAIF112-002	Pcs Rx:1850MHz, Imt Tx:2160MHz	20 MHz	1.0 dB
K526-810-3B15	DXAIE142-001	Pcs Rx:1765MHz, Imt Rx:1970MHz	30, 20 MHz	1.0 dB
K526-810-3B16	DXAIE142-002	Pcs Rx:1760MHz, Imt Rx:1970MHz	20 MHz	1.0 dB
K526-810-3D01	DXAIK112-002	Imt Rx: 1970MHz, Tx: 2160MHz	20 MHz	1.2 dB
K526-810-3D05	DXAIE112-002	Pcs Rx: 1765 MHz,Tx: 1855 MHz	30 MHz	1.3 dB
K526-810-3D06	DXAIF112-003	Imt Rx: 1970MHz, Tx: 2160MHz	20 MHz	1.0 dB
K526-810-3D07	DXAIE142-003	Pcs Rx:1760MHz, Imt Rx:1970MHz	20 MHz	1.0 dB
K526-810-3D08	DXAIF142-001	Pcs Tx:1850MHz, Imt Tx:2160MHz	20 MHz	1.0 dB
K526-810-3D09	DXAIE112-003	Pcs Rx: 1965 MHz, Tx :1855 MHz	30 MHz	1.3 dB
K526-810-3E01	DXAII112-001	Rx : 5750 MHz, Tx : 5825 MHz	50 MHz	2.0 dB
K526-810-3E02	DXAIJ112-002	Rx : 836.505 MHz, Tx :881.505MHz	24.96 MHz	1.8 dB
K526-810-3E12	DXAIF112-004	Imt Rx: 1970 MHz, Tx: 2160 MHz	20 MHz	1.0 dB
K526-812-3E05	DXAIC112-001	Rx : 902.5 MHz, Tx : 947.5 MHz	25 MHz	1.0 dB
K526-812-4C04	DXAIF112-005	Rx : 1760 MHz, Tx : 1850 MHz	20 MHz	0.5 dB
K526-811-5I02	DXAIF112-006	Rx : 1957.5 MHz, Tx : 2147.5 MHz	15 MHz	1.2 dB
K526-811-5J01	DXAIE112-001	Rx : 1882.5 MHz, Tx : 1962.5 MHz	5 MHz	0.7 dB
K526-810-5K01	DXAIA112-001	Rx : 449.7 MHz, Tx : 439.7 MHz	5 MHz	1.5 dB
K526-811-5K01	DXAIE112-001	Rx : 1752.5 MHz, Tx : 1847.5 MHz	5 MHz	1.5 dB
K526-811-5K02	DXAIC142-001	Rx-L : 899.5 MHz, H-920 MHz Tx-L : 844.5 MHz, H-865 MHz	L: 3MHz, H: 10MHz	1.5 dB
K526-811-5K03	DXAIC142-002	Rx-L : 844.5 MHz, H-865 MHz Tx-L : 899.5 MHz, H-920 MHz	L: 3MHz, H: 10MHz	1.5 dB
K526-811-5K04	DXAIE112-007	Rx : 1752.5 MHz, Tx : 1847.5 MHz	5 MHz	1.5 dB
K526-811-5M01	DXAIC142-003	Rx-L : 899.5 MHz, H-920 MHz Tx-L : 844.5 MHz, H-865 MHz	L: 3MHz, H: 10MHz	1.5 dB
K526-812-5E01	DXAIE112-008	Rx : 1775 MHz, Tx : 1865 MHz	30 MHz	2.0 dB
K526-841-6A01	DXAIA142-001	Fm : 98 MHz, Rx : 424 MHz, Tx : 450 MHz	20, 2, 10 MHz	1.5 dB
K526-612-118	DXLCAE41-001	60~80, 1690~1770 MHz	20, 80 MHz	0.5 dB
K526-612-120	DXLCAF41-008	250~360, 1930~2160 MHz	110, 230 MHz	1.0 dB
K526-612-125	DXLCAF41-009	250~360, 1940~1960 MHz	110, 20 MHz	1.0, 1.0~2.0 dB
K526-613-105	DXLCAF43-004	300~380, 1940~1960, 2130~2150 MHz	80, 20, 20 MHz	4.0, 1.5, 1.5 dB
K526-613-111	DXLCAF43-010	320~350, 824~894, 1940~2150 MHz	30, 70, 210 MHz	1.0 dB



Duplexer ~ Multiplexer

DUPLEXER (DR)

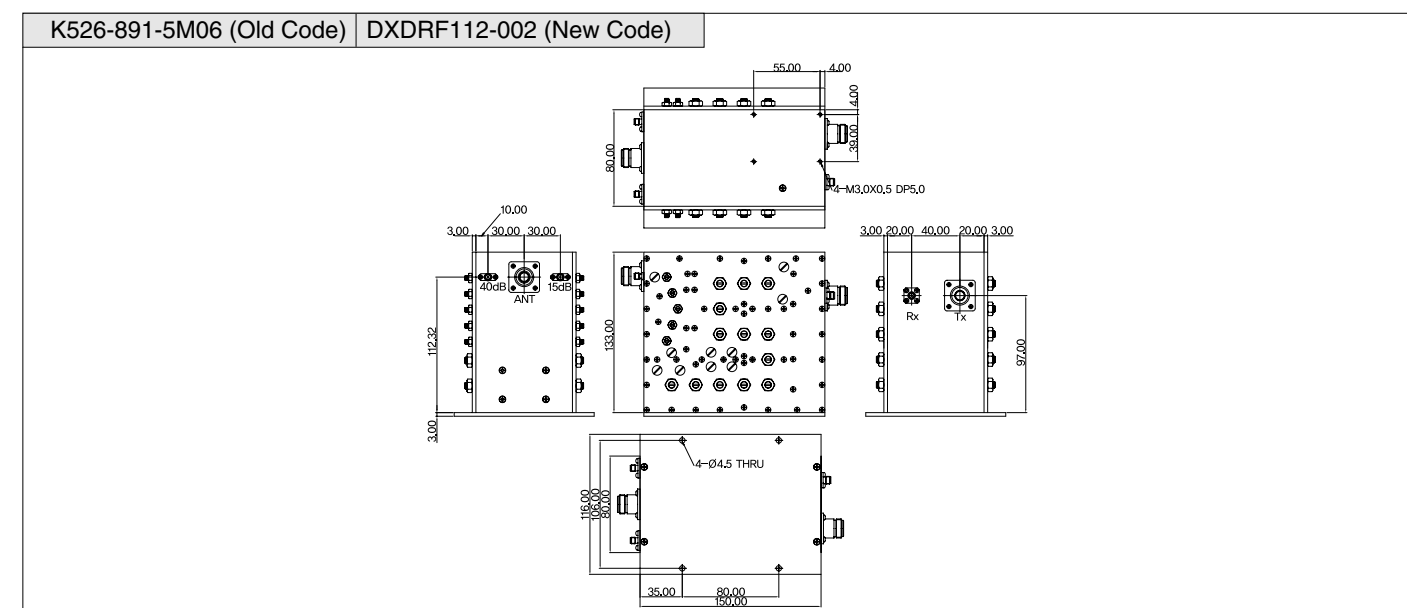
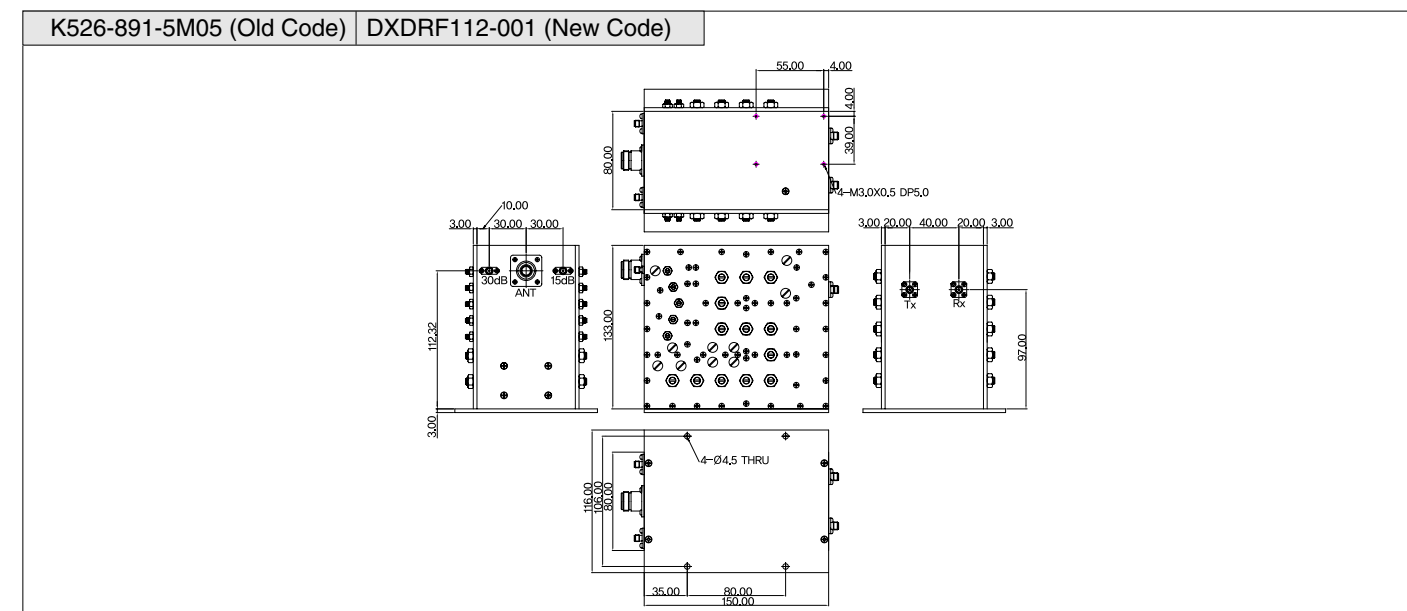
Unit : mm



Product Code (Old)	K526-891-3G17	K526-890-4A06
Product Code (New)	DXDRE112-001	DXDRE112-001
Frequency Range (MHz)	Rx : 1760 MHz, Tx : 1850 MHz	Rx : 1760 MHz Tx : 1850 MHz
Band Width (MHz)	18.75 MHz	18.75 MHz
Insertion Loss (max)	1.3 dB	0.9 dB
VSWR (Max)	1.28 : 1	1.22 : 1
Passband Ripple (Max)	0.8 dB	0.5 dB
Isolation (Tx Band) (Min)	100 dBc	100 , 95 dB
Impedance	50Ω	50Ω
Operating Temperature	-20°C ~ 60°C	-10°C ~ 60°C
Port Connector (IN/OUT)	N-Type (F) / SMA (F)	SMA (F)

Duplexer ~ Multiplexer

Unit : mm

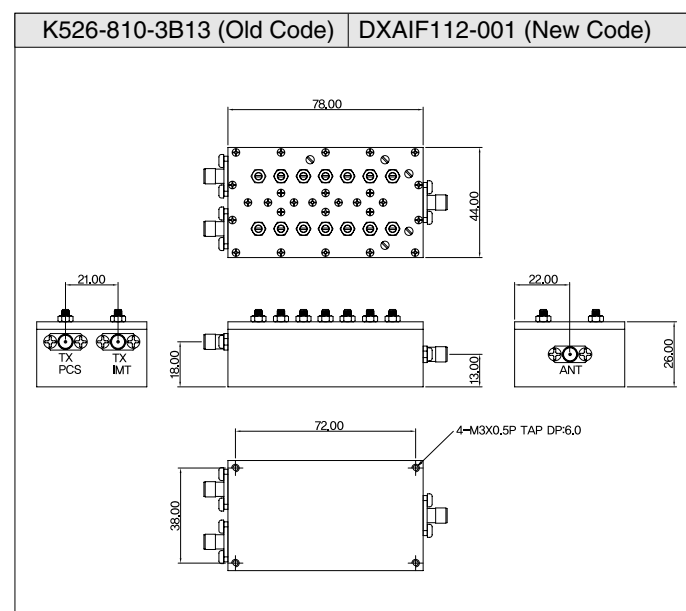
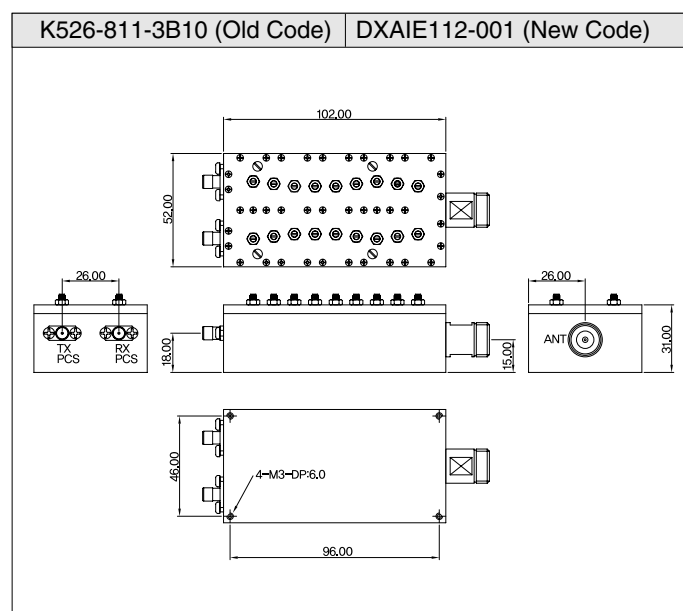
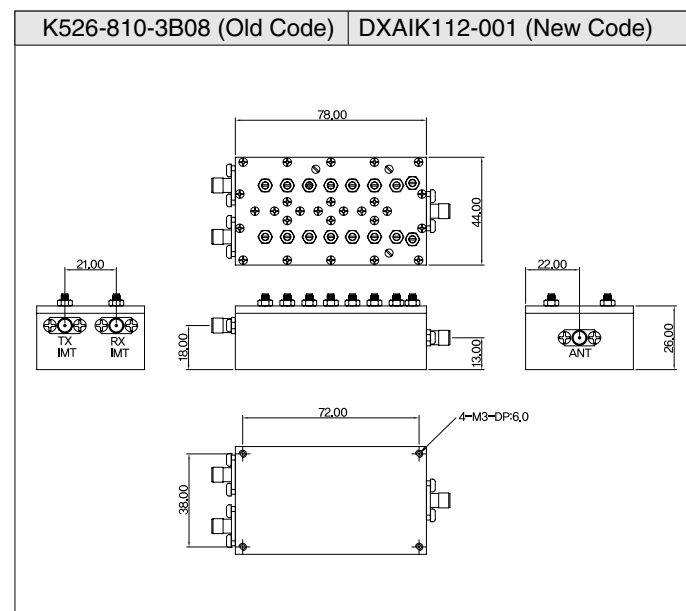
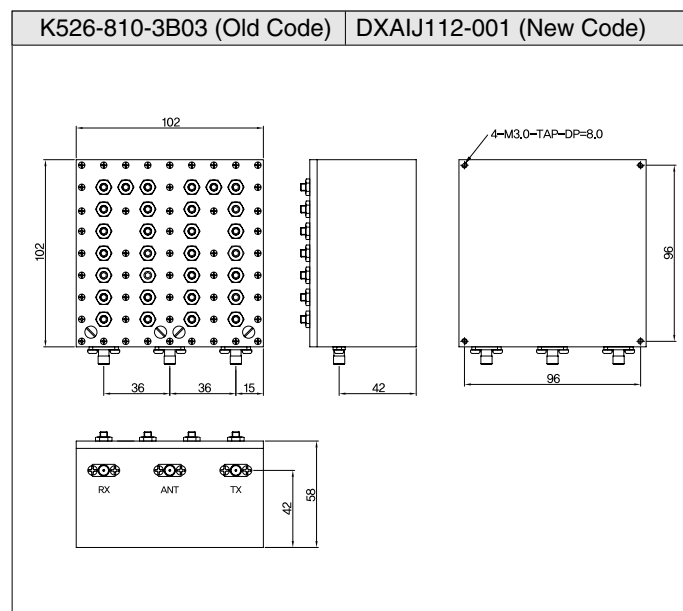


Product Code (Old)	K526-891-5M05	K526-891-5M06
Product Code (New)	DXDRF112-001	DXDRF112-002
Frequency Range (MHz)	Rx: 1970 MHz , Tx: 2160 MHz	Rx: 1970 MHz , Tx: 2160 MHz
Band Width (MHz)	20 MHz	20 MHz
Insertion Loss (max)	1.2 , 1.5 dB	1.5 , 1.2 dB
VSWR (Max)	1.22 : 1	1.22 : 1
Passband Ripple (Max)	0.5 dB	0.5 dB
Isolation (Tx Band) (Min)	-	-
Impedance	50Ω	50Ω
Operating Temperature	-30°C ~ 70°C	-30°C ~ 70°C
Port Connector (IN/OUT)	N-Type (F) / SMA (F)	N-Type (F) / SMA (F)



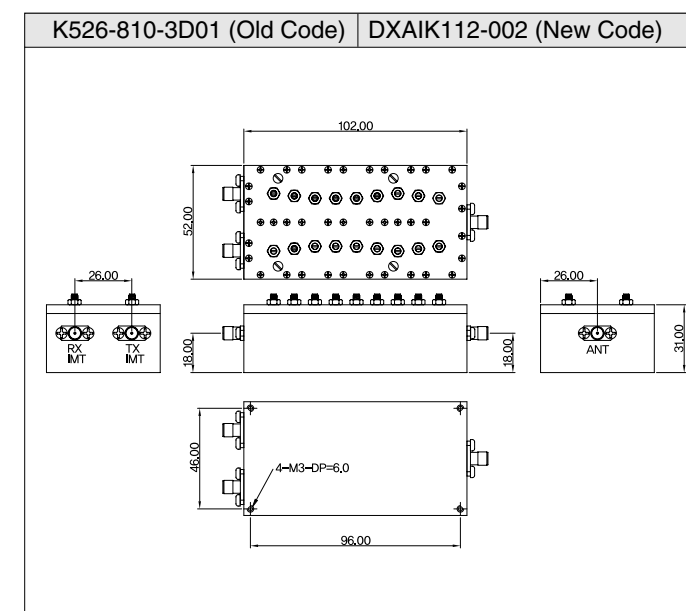
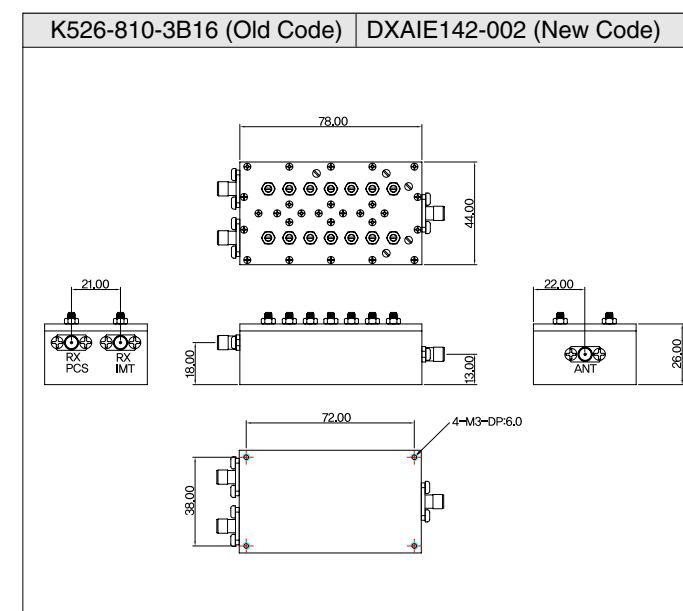
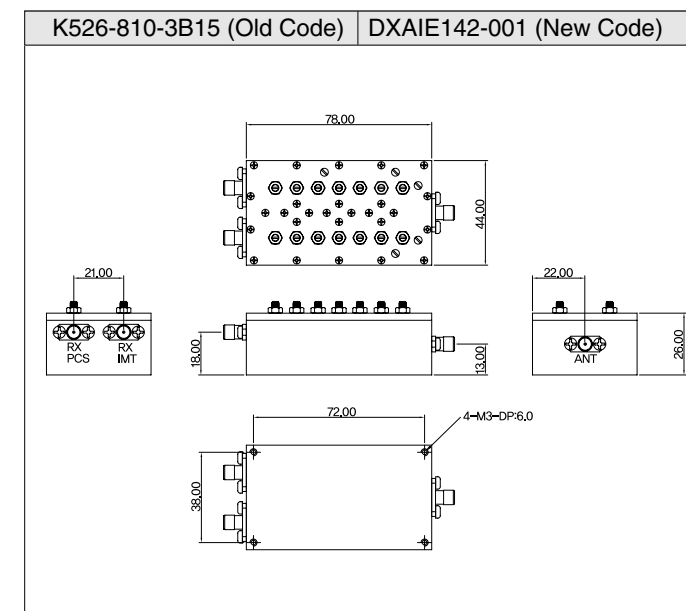
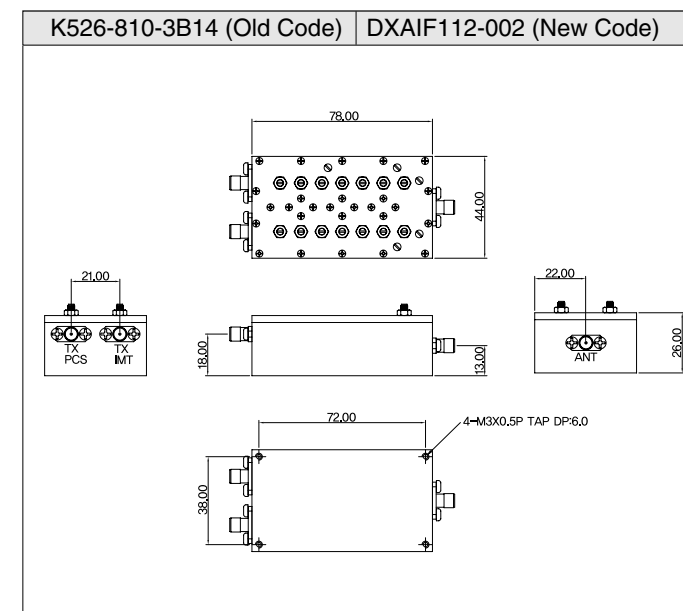
DUPLEXER (AIR)

Unit : mm



Product Code (Old)	K526-810-3B03	K526-810-3B08	K526-811-3B10	K526-810-3B13
Product Code (New)	DXAIJ112-001	DXAIK112-001	DXAIE112-001	DXAIF112-001
Frequency Range (MHz)	Rx : 902.5 MHz, Tx : 947.5 MHz	IMT Rx : 1970MHz, Tx: 2160MHz	PCS Rx : 1760 MHz, Tx: 1850 MHz	PCS Tx : 1855 MHz, IMT Tx : 2160 MHz
Band Width (MHz)	25 MHz	20 MHz	20 MHz	30, 20 MHz
Insertion Loss (max)	1.8 dB	1.0 dB	1.2 dB	1.0 dB
VSWR (Max)	1.22 : 1	1.22 : 1	1.172 : 1	1.22 : 1
Passband Ripple (Max)	1.2 dB	0.5 dB	0.5dB	0.5 dB
Isolation (Tx Band) (Min)	80 dBc	95 dB	95 dB	95 dB
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
Operating Temperature	-20℃ ~ 60℃	-20℃ ~ 60℃	-20℃ ~ 60℃	-20℃ ~ 60℃
Port Connector (IN/OUT)	SMA (F)	SMA (F)	SMA (F)	SMA (F)

Unit : mm



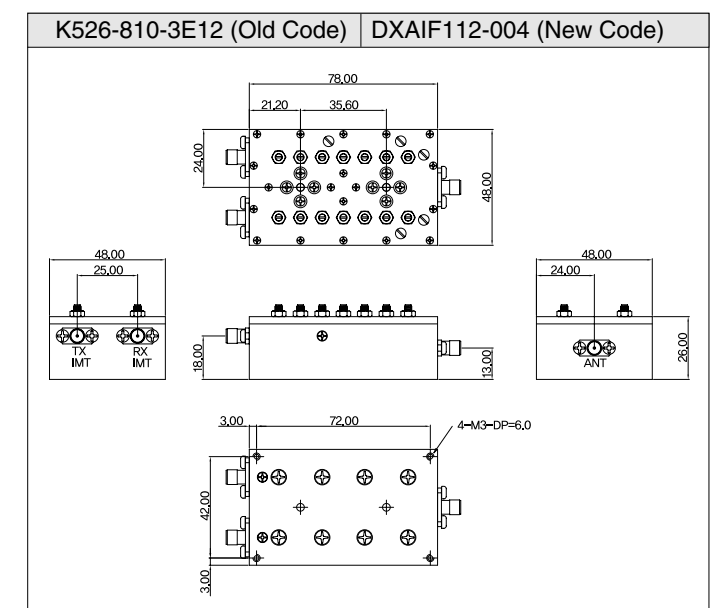
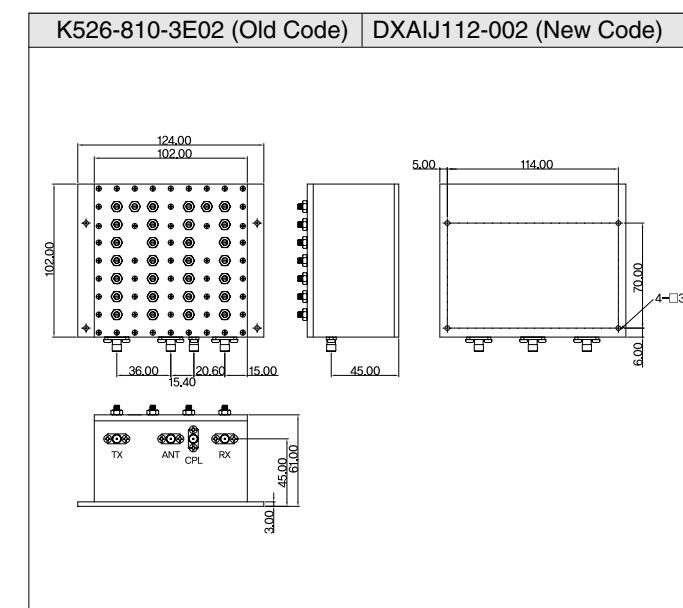
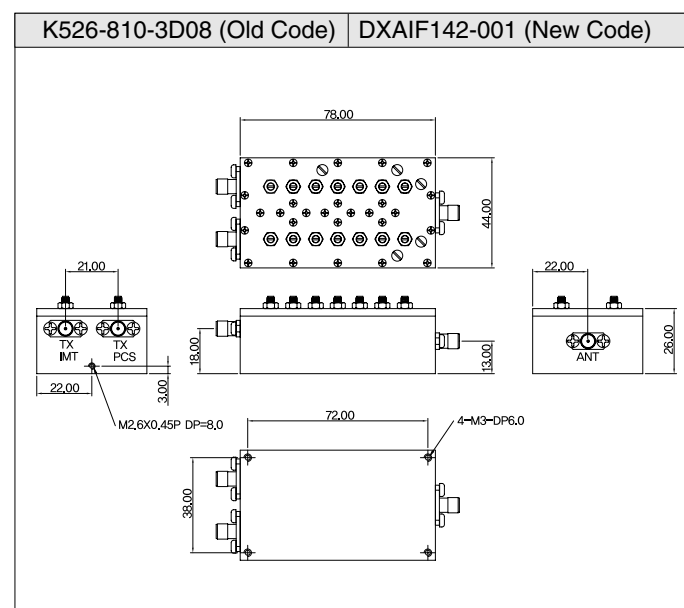
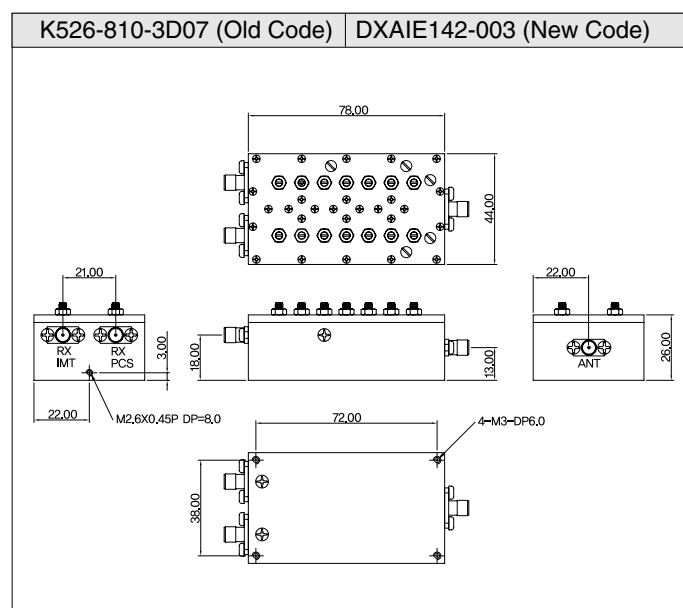
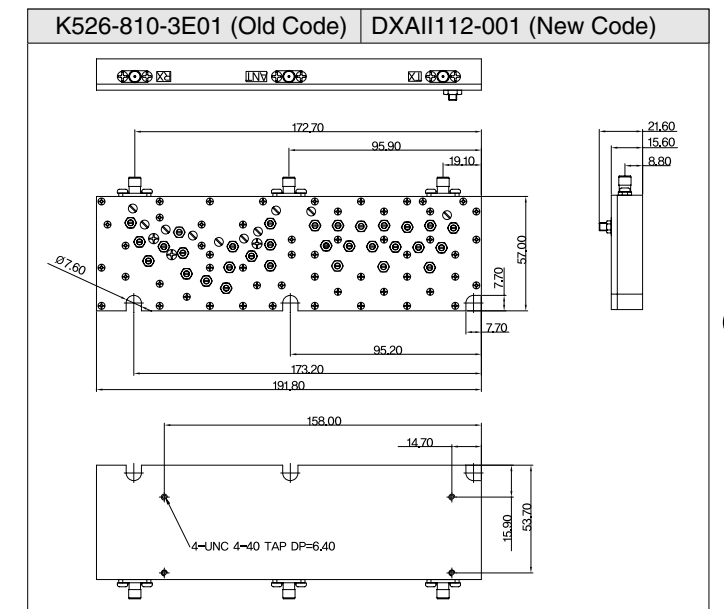
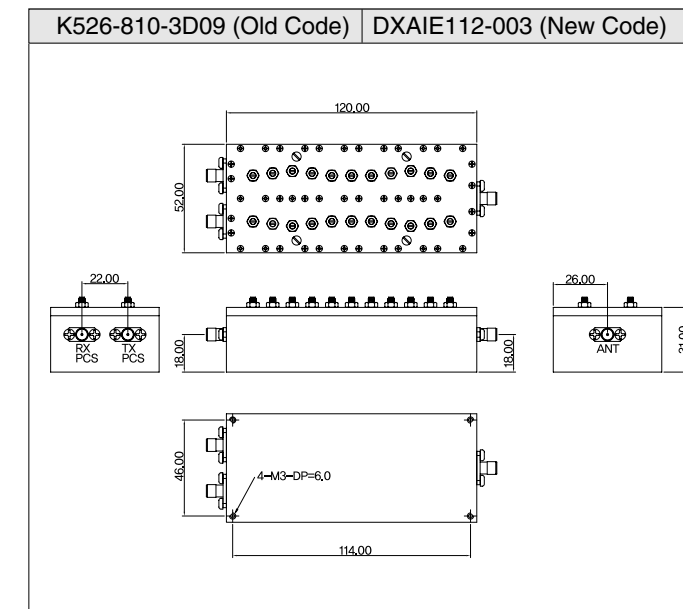
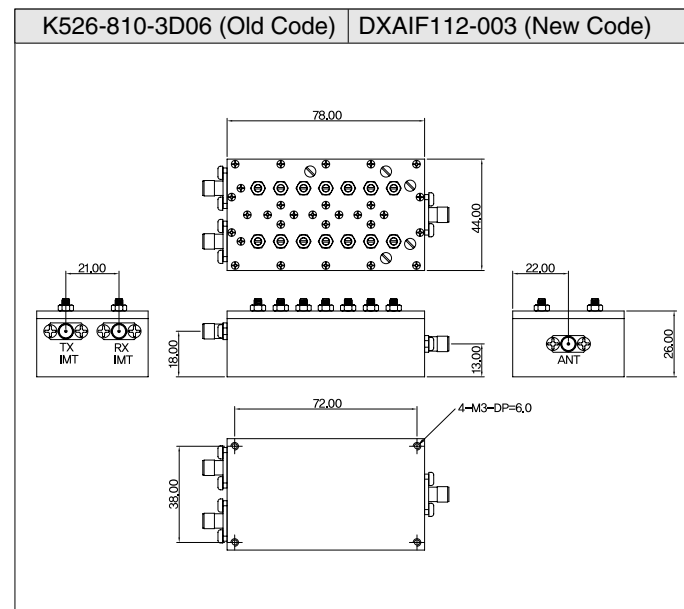
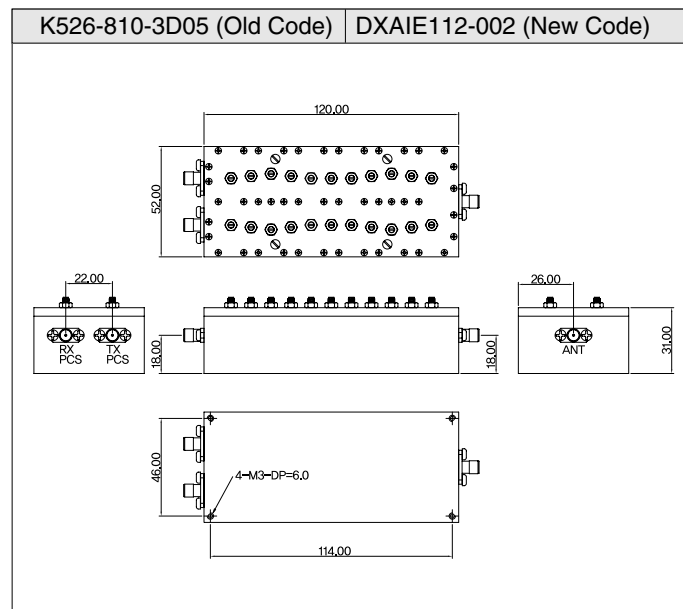
Product Code (Old)	K526-810-3B14	K526-810-3B15	K526-810-3B16	K526-810-3D01
Product Code (New)	DXAIF112-002	DXAIE142-001	DXAIE142-002	DXAIK112-002
Frequency Range (MHz)	PCS Tx : 1850 MHz, IMT Tx : 2160 MHz	PCS Rx : 1765 MHz, IMT Rx : 1970 MHz	PCS Rx : 1760 MHz, IMT Rx : 1970 MHz	IMT Rx : 1970 MHz, Tx : 2160 MHz
Band Width (MHz)	20 MHz	30, 20 MHz	20 MHz	20 MHz
Insertion Loss (max)	1.0 dB	1.0 dB	1.0 dB	1.2 dB
VSWR (Max)	1.22 : 1	1.22 : 1	1.22 : 1	1.22 : 1
Passband Ripple (Max)	0.5 dB	0.5 dB	0.5 dB	0.5 dB
Isolation (Tx Band) (Min)	95 dB	95 dB	95 dB	95 dB
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
Operating Temperature	-20℃ ~ 60℃	-20℃ ~ 60℃	-20℃ ~ 60℃	-20℃ ~ 60℃
Port Connector (IN/OUT)	SMA (F)	SMA (F)	SMA (F)	SMA (F)



Duplexer ~ Multiplexer

Duplexer ~ Multiplexer

Unit : mm

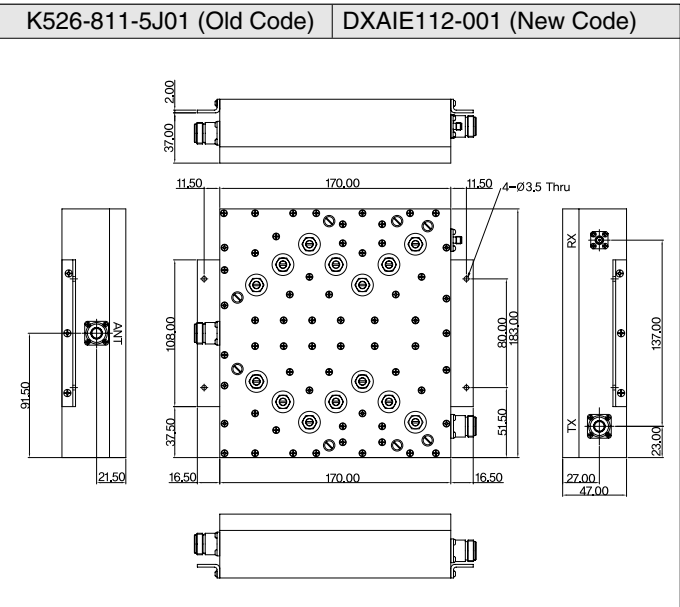
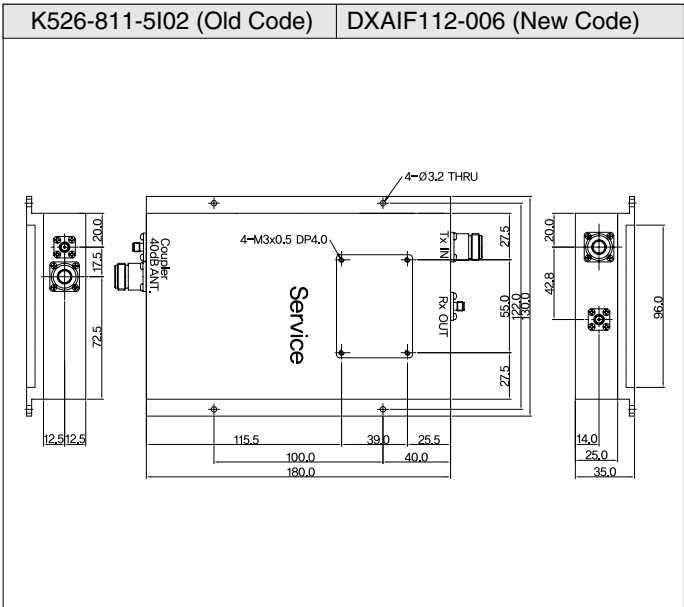
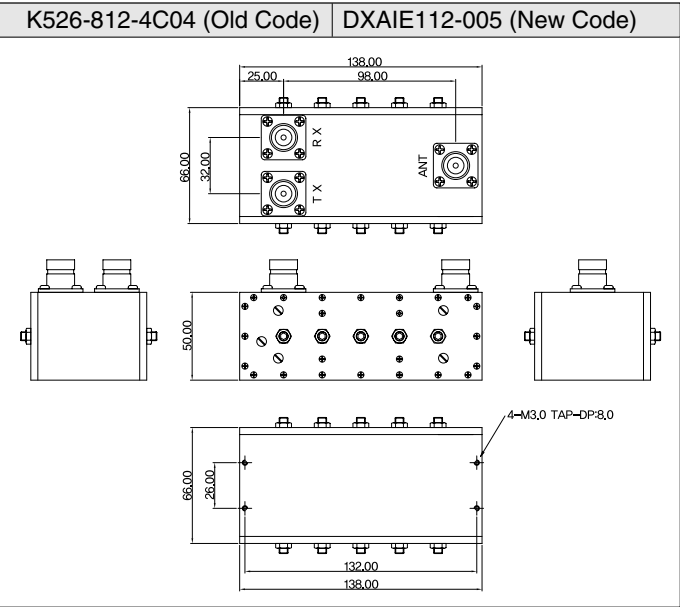
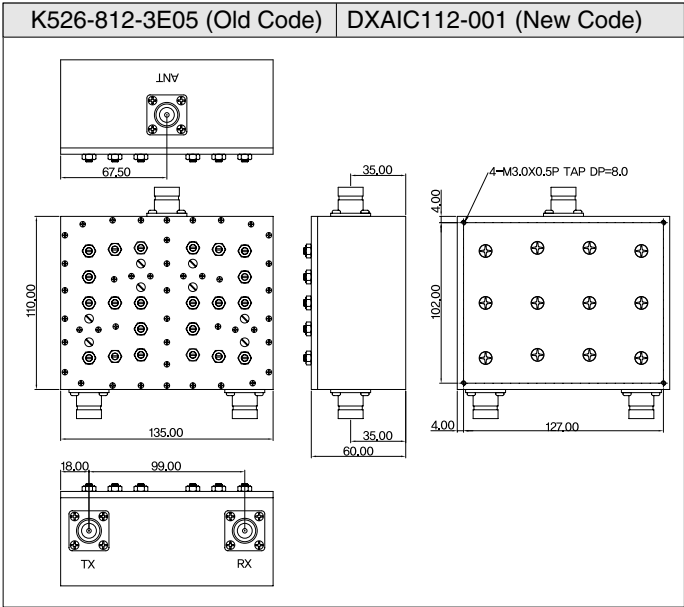


Product Code (Old)	K526-810-3D05	K526-810-3D06	K526-810-3D07	K526-810-3D08
Product Code (New)	DXAIE112-002	DXAIF112-003	DXAIE142-003	DXAIF142-001
Frequency Range (MHz)	PCS Rx : 1765 MHz, Tx : 1855 MHz	IMT Rx : 1970 MHz, Tx : 2160 MHz	PCS Rx : 1760 MHz, IMT Rx : 1970 MHz	PCS Tx : 1850 MHz, IMT Tx : 2160 MHz
Band Width (MHz)	30 MHz	20 MHz	20 MHz	20 MHz
Insertion Loss (max)	1.3 dB	1.0 dB	1.0 dB	1.0 dB
VSWR (Max)	1.22 : 1	1.22 : 1	1.22 : 1	1.22 : 1
Passband Ripple (Max)	0.5 dB	0.5 dB	0.5 dB	0.5 dB
Isolation (Tx Band) (Min)	95 dB	95 dB	95 dB	95 dB
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
Operating Temperature	-20℃ ~ 60℃	-20℃ ~ 60℃	-20℃ ~ 60℃	-20℃ ~ 60℃
Port Connector (IN/OUT)	SMA (F)	SMA (F)	SMA (F)	SMA (F)

Product Code (Old)	K526-810-3D09	K526-810-3E01	K526-810-3E02	K526-810-3E12
Product Code (New)	DXAIE112-003	DXAII112-001	DXAIJ112-004	DXAIF112-004
Frequency Range (MHz)	PCS Rx: 1965 MHz, Tx: 1855 MHz	Rx : 5750 MHz, Tx : 5825 MHz	Rx : 835.505 MHz, Tx : 881.505 MHz	IMT Rx : 1970 MHz, Tx : 2160 MHz
Band Width (MHz)	30 MHz	50 MHz	24.96 MHz	20 MHz
Insertion Loss (max)	1.3 dB	2.0 dB	1.8 dB	1.0 dB
VSWR (Max)	1.22 : 1	1.38 : 1	1.22 : 1	1.22 : 1
Passband Ripple (Max)	0.5 dB	1.0 dB	1.0 dB	0.5 dB
Isolation (Tx Band) (Min)	95 dB	65 dB	75 dB	95 dB
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
Operating Temperature	-20℃ ~ 60℃	-30℃ ~ 70℃	-20℃ ~ 60℃	-20℃ ~ 60℃
Port Connector (IN/OUT)	SMA (F)	SMA (F)	SMA (F)	SMA (F)

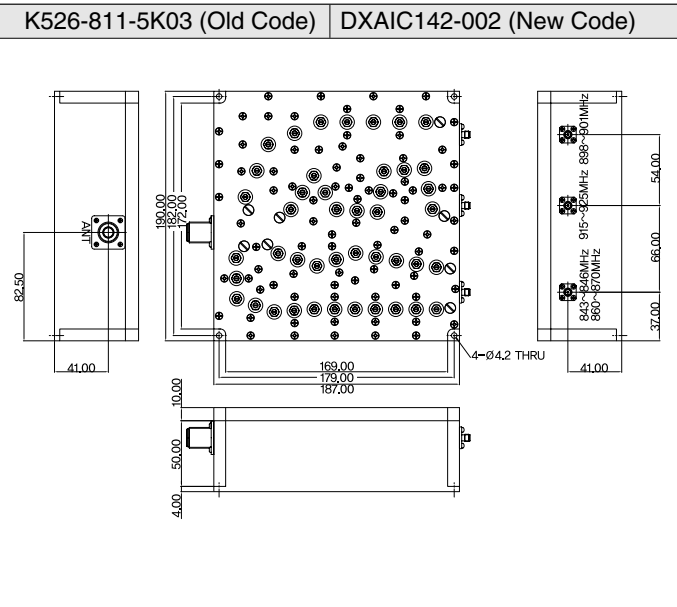
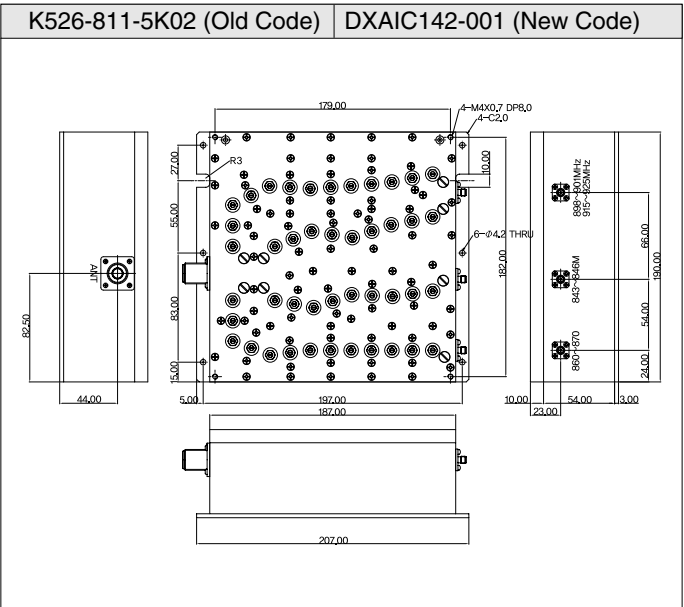
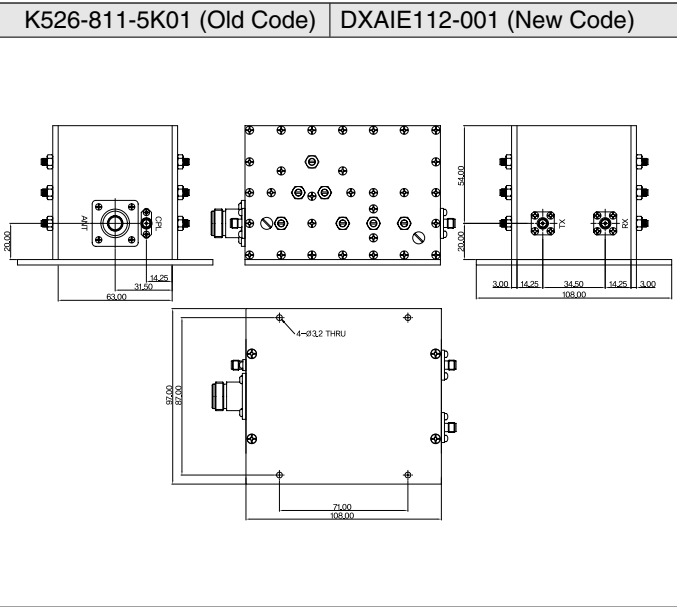
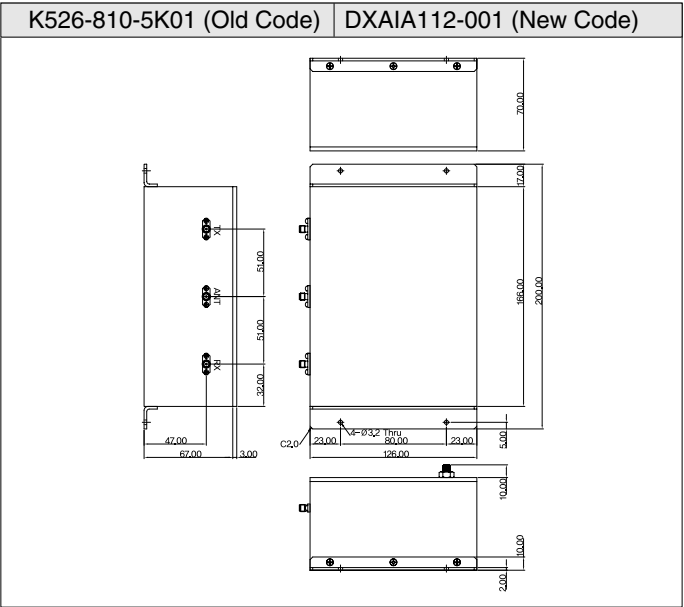


Unit : mm



Product Code (Old)	K526-812-3E05	K526-812-4C04	K526-811-5I02	K526-811-5J01
Product Code (New)	DXAIC112-001	DXAIE112-005	DXAIF112-006	DXAIE112-001
Frequency Range (MHz)	Rx : 902.5 MHz, Tx : 947.5 MHz	Rx : 1760 Mhz, Tx : 1850 MHz	Rx : 1957.5 MHz, Tx : 2147.5 MHz	Rx : 1882.5 MHz, Tx : 1962.5 MHz
Band Width (MHz)	25 MHz	20 MHz	15 MHz	5 MHz
Insertion Loss (max)	1.0 dB	0.5 dB	1.2 dB	0.7 dB
VSWR (Max)	1.20 : 1	1.22 : 1	1.22 : 1	1.22 : 1
Passband Ripple (Max)	0.5 dB	0.3 dB	0.5 dB	0.2 dB
Isolation (Tx Band) (Min)	60 dB	35 dB	110 dBc	110 dBc
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
Operating Temperature	-20℃ ~ 60℃	-10℃ ~ 60℃	-30℃ ~ 70℃	-30℃ ~ 70℃
Port Connector (IN/OUT)	N-Type (F)	N-Type (F)	N-Type / SMA (F)	N-Type / SMA (F)

Unit : mm



Product Code (Old)	K526-810-5K01	K526-811-5K01	K526-811-5K02	K526-811-5K03
Product Code (New)	DXAIA112-001	DXAIE112-001	DXAIC142-001	DXAIC142-002
Frequency Range (MHz)	Rx : 449.7 MHz, Tx : 439.7 MHz	Rx : 1752.5 MHz, Tx : 1847.5 MHz	Rx-L:899.5, H:920MHz, Tx-L:844.5, H:865MHz	Rx-L:844.5, H:865MHz, Tx-L:899.5, H:920MHz
Band Width (MHz)	5 MHz	5 MHz	L : 3, H : 10 MHz	L : 3, H : 10 MHz
Insertion Loss (max)	1.5 dB	1.5 dB	1.5 dB	1.5 dB
VSWR (Max)	1.22 : 1	1.22 : 1	1.28 : 1	1.28 : 1
Passband Ripple (Max)	0.5 dB	0.5 dB	0.5 dB	0.5 dB
Isolation (Tx Band) (Min)	60 dB	100 dB	-	-
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
Operating Temperature	-30℃ ~ 70℃	-	-20℃ ~ 50℃	-20℃ ~ 50℃
Port Connector (IN/OUT)	SMA (F)	SMA (F)	SMA (F)	SMA (F)



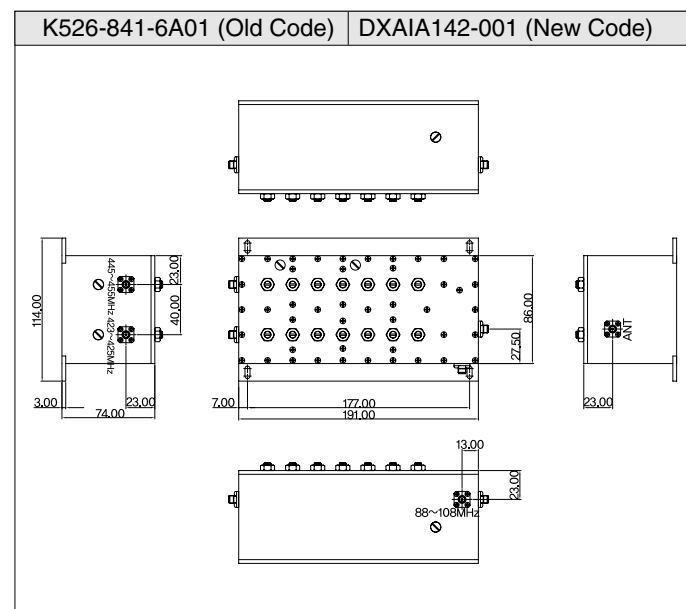
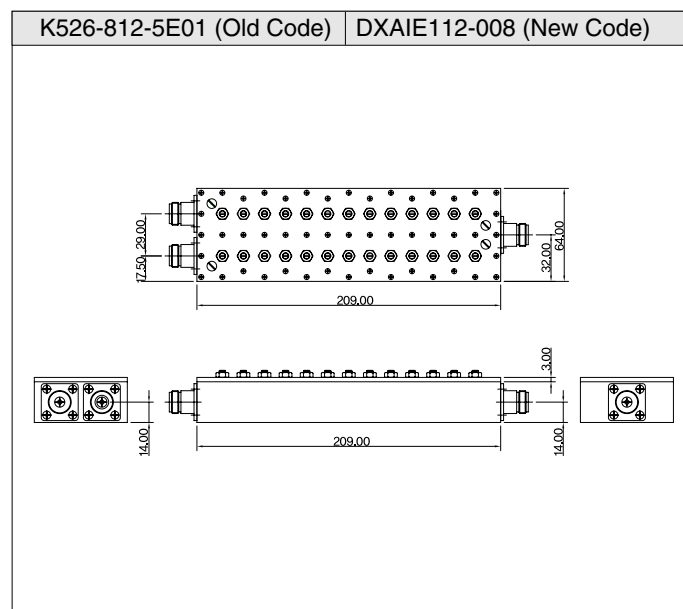
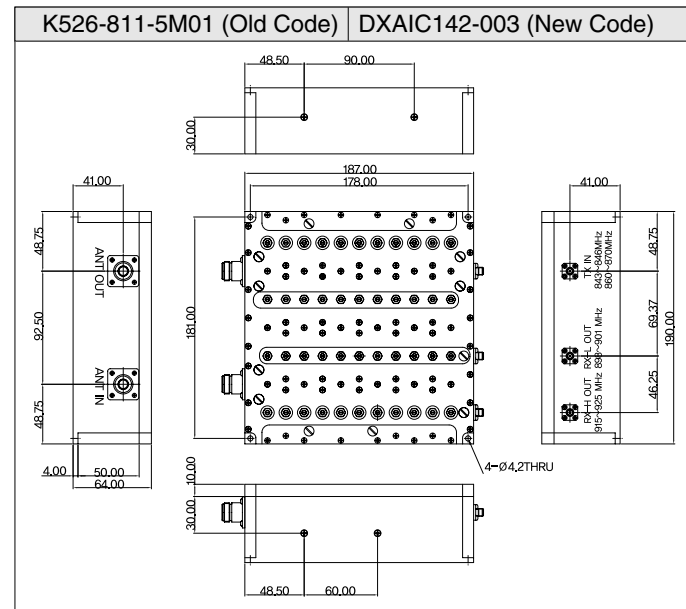
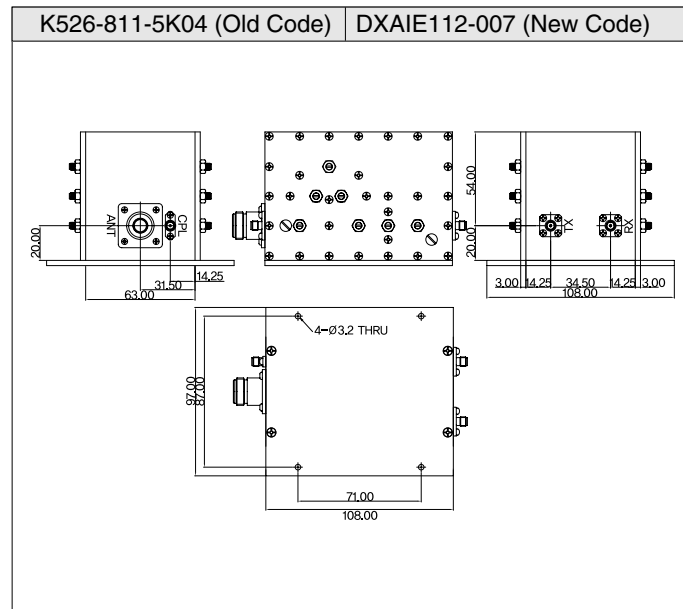
Duplexer ~ Multiplexer



Duplexer ~ Multiplexer

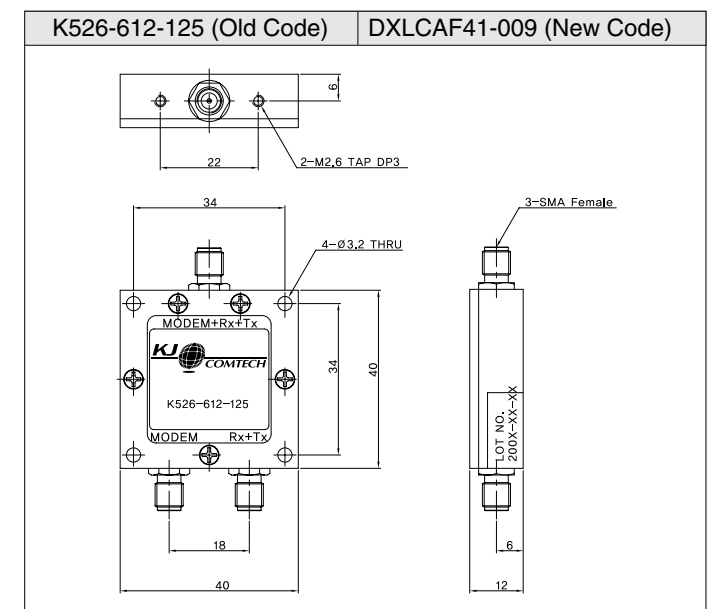
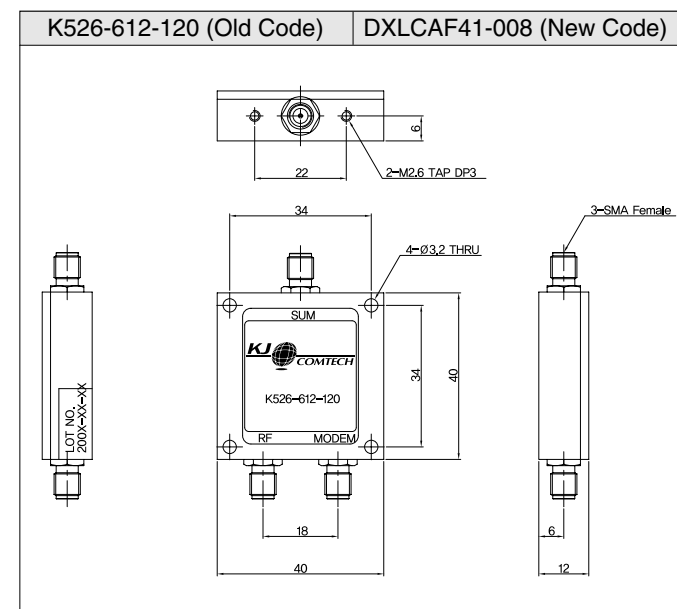
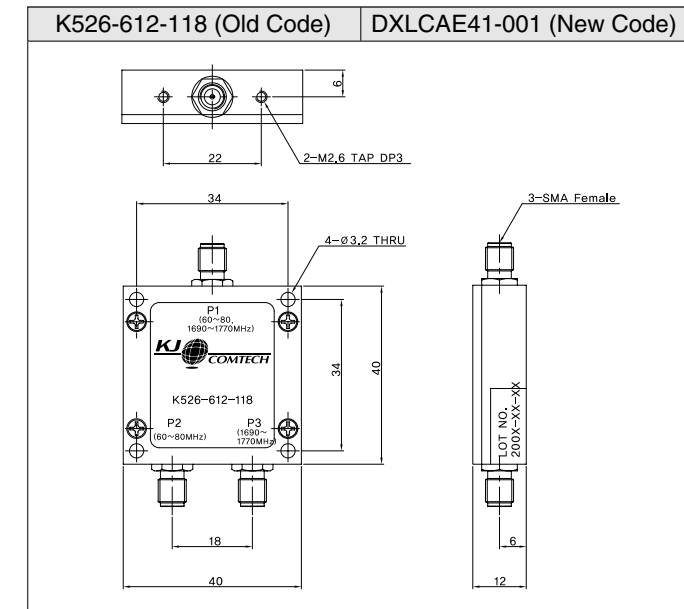
DIPLEXER (LC)

Unit : mm



Product Code (Old)	K526-811-5K04	K526-811-5M01	K526-812-5E01	K526-841-6A01
Product Code (New)	DXAIE112-007	DXAIC142-003	DXAIE112-008	DXAIA142-001
Frequency Range (MHz)	Rx : 1752.5 MHz, Tx : 1847.5 MHz	Tx-L:844.5, H:865 MHz, Rx-L:899.5, H:920 MHz	Rx : 1775 MHz, Tx : 1865 MHz	Fm : 98, Rx : 424 MHz, Tx : 450 MHz
Band Width (MHz)	5 MHz	L : 3, H : 10 MHz	30 MHz	20, 2, 10 MHz
Insertion Loss (max)	1.5 dB	1.5 dB	2.0 dB	1.5 dB
VSWR (Max)	1.22 : 1	1.28 : 1	1.22 : 1	1.49 : 1
Passband Ripple (Max)	0.5 dB	0.5 dB	-	-
Isolation (Tx Band) (Min)	100 dB	-	100 dB	60 dB
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
Operating Temperature	-	-20℃ ~ 50℃	-	-
Port Connector (IN/OUT)	SMA (F)	SMA (F)	N-Type (F)	N-Type (F)

Unit : mm

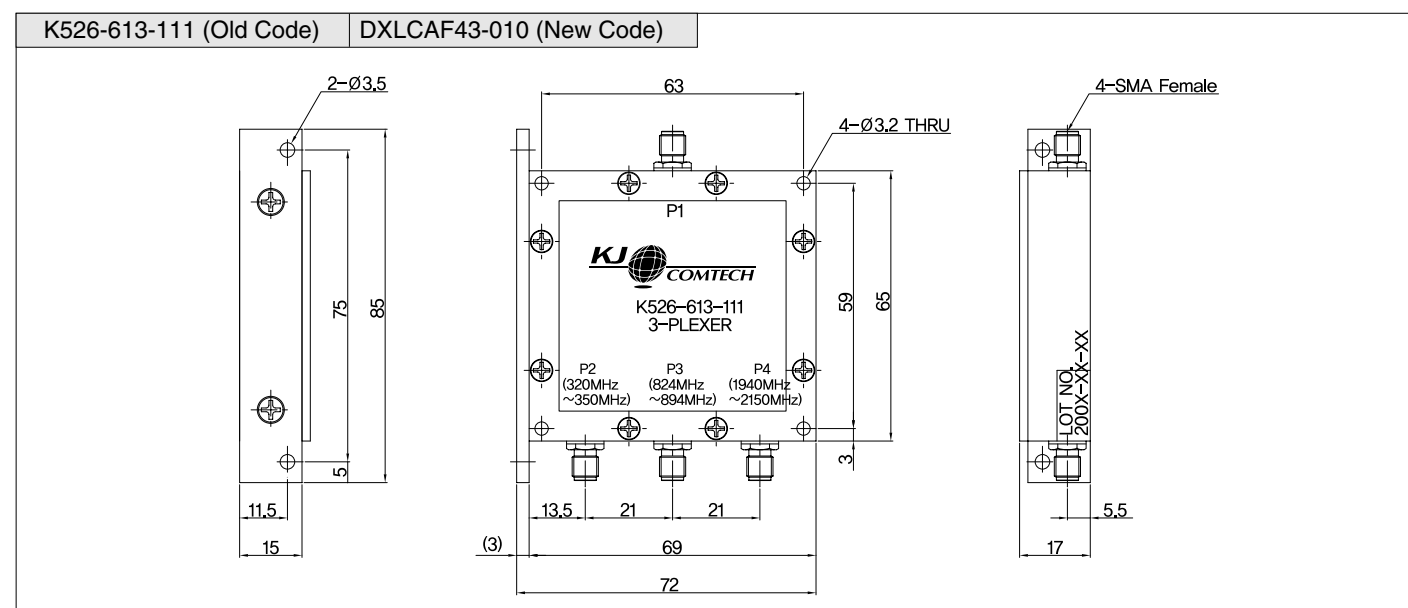
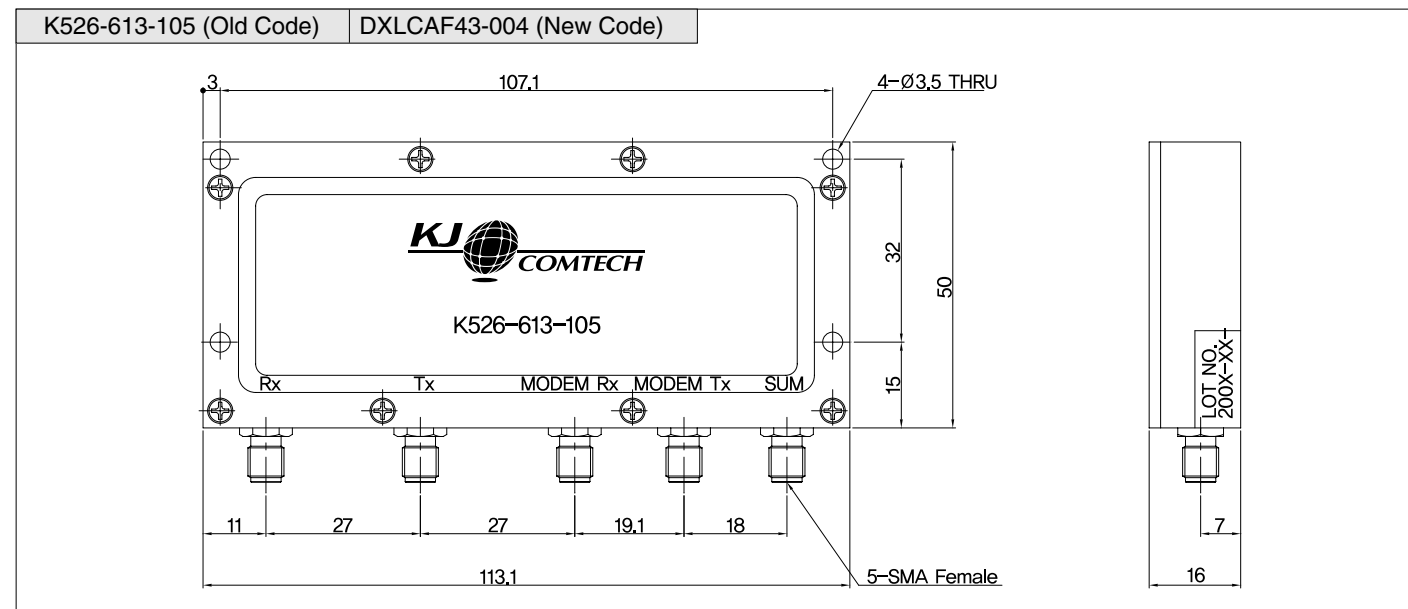


Product Code (Old)	K526-612-118	K526-612-120	K526-612-125
Product Code (New)	DXLCAE41-001	DXLCAF41-008	DXLCAF41-009
Output Port	P2	P3	MODEM
Frequency Range (MHz)	60 ~ 80	1690 ~ 1770	250 ~ 360
Insertion Loss (max)	0.5 dB	0.5 dB	1.0 dB
VSWR (Max)	1.40 : 1	1.40 : 1	1.20 : 1
Passband Ripple (Max)	0.2 dB	0.2 dB	0.2 dB
Attenuation (Min)	-	-	-25 dB @ 2130~2150 MHz
Isolation (Min)	60 dB	60 dB	60 dB
Impedance	50 Ω	50 Ω	50 Ω
Operating Temperature	-30℃ ~ +60℃	-30℃ ~ +60℃	-30℃ ~ +60℃
Port Connector (IN/OUT)	SMA (F)	SMA (F)	SMA (F)



TRIPLEXER (LC)

Unit : mm



Product Code (Old)	K526-613-105				K526-613-111		
Product Code (New)	DXLCAF43-004				DXLCAF43-010		
Output Port	MODEM Rx	MODEM Tx	Rx	Tx	P2	P3	P4
Frequency Range (MHz)	300 ~ 380	300 ~ 380	1940 ~ 1960	2130 ~ 2150	320 ~ 350	824 ~ 894	1940 ~ 2150
Insertion Loss (max)	4.0 dB	4.0 dB	1.5 dB	1.5 dB	1.0 dB	1.0 dB	1.0 dB
VSWR (Max)	1.30 : 1	1.30 : 1	1.30 : 1	1.30 : 1	1.30 : 1	1.30 : 1	1.30 : 1
Passband Ripple (Max)	0.3 dB	0.3 dB	0.3 dB	0.3 dB	0.5 dB	0.3 dB	0.3 dB
Attenuation (Min)	Tx/MODEM	Rx	Rx,Tx/ MODEM Tx	Rx,Tx/ MODEM Rx	-		
	25 dB/60 dB	25 dB	50 dB/20 dB	50 dB/20 dB	-		
Isolation (Min)	-				55 dB		
Impedance	50 Ω				50 Ω		
Operating Temperature	-30°C ~ +75°C				-30°C ~ +75°C		
Port Connector (IN/OUT)	SMA (F)				SMA (F)		

