

KJ COMTECH

POWER DIVIDER

Product Code System

Customer Inquiry Form

Products Reference Table

Power Divider (SMA)

Power Divider (N)



P **D**

				-	
①	②	③	④		

CODE	Way
W2	2
W3	3
W4	4
W5	5
W6	6
W7	7
W8	8
W9	9
WA	10
WB	11
WC	12
.	.

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)

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

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.

A horizontal number line with tick marks labeled 1 through 10. Above the line, there are boxes for fractions. Box 1 is divided into 2 equal parts. Box 2 is divided into 2 equal parts. Box 3 is divided into 3 equal parts. Box 4 is divided into 2 equal parts. Box 5 is divided into 2 equal parts. Box 6 is divided into 2 equal parts. Box 7 is divided into 2 equal parts. Box 8 is a single undivided box. Box 9 is a single undivided box. Box 10 is divided into 2 equal parts.

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

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

CODE	Input Power (watt)
000	1 (min)
001	1
002	2
003	3
.	.
010	10
.	.
100	100
.	.
200	200
.	.

CODE	Surface
CW	Chromate (White)
CY	Chromate (Yellow)
ES	Epoxy (Silver)
EG	Epoxy (Gold)
LP	Liquid Painting
PC	Power Coating
AG	Silver Plating
NI	Nickel Plating
SU	SUCO Plating

CODE	Impedance
50	50 Ohms
75	75 Ohms

CODE	I/O Port Direction
00	Same Side
01	Opposite Side

CODE	Power Split
10	Unequal
11	Equal

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

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

CODE	Degree
00	0°
09	90°
18	180°
XX	Others



Customer Inquiry Form

1. Customer Information

Author Name	
Company	
Phone	
Fax	
E-mail	

2. Electrical Specifications

Frequency Range	
Number of Way	
Insertion Loss (max)	
V.S.W.R (max)	
Isolation (min)	
Amplitude Unbalance (max)	
Phase Unbalance (max)	
Impedance	
Input Power (max)	
Port Connectors (IN/OUT)	/
Surface Painting/Plating	

3. Other Information

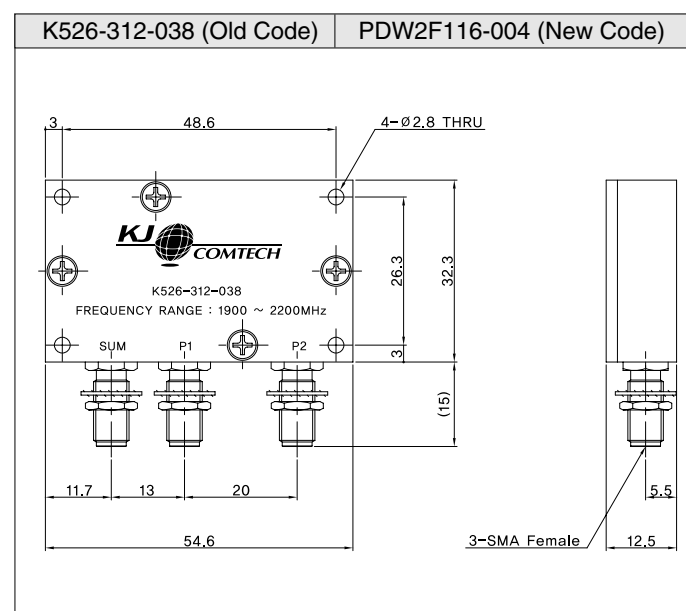
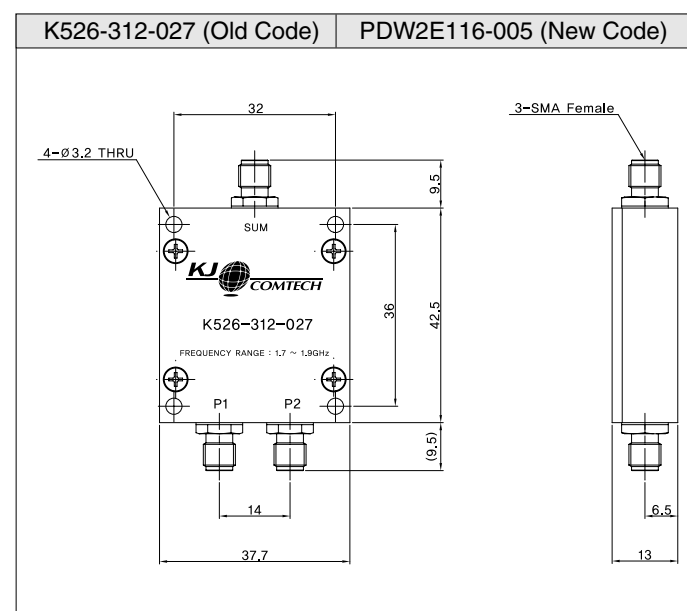
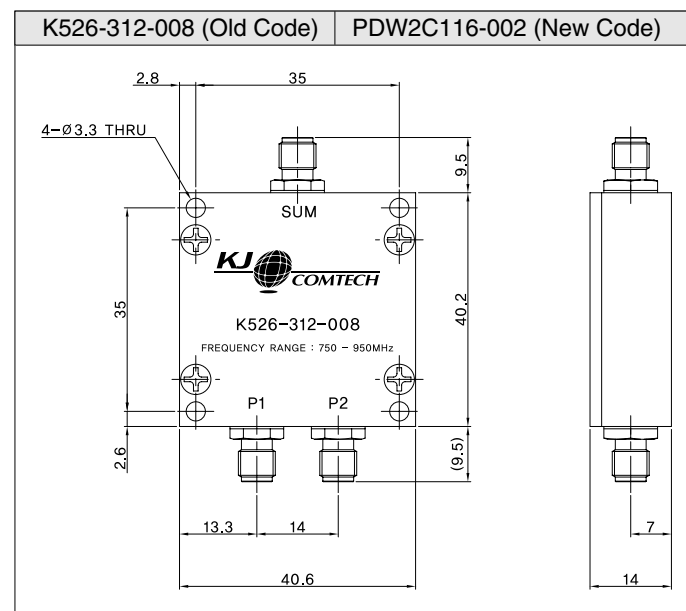
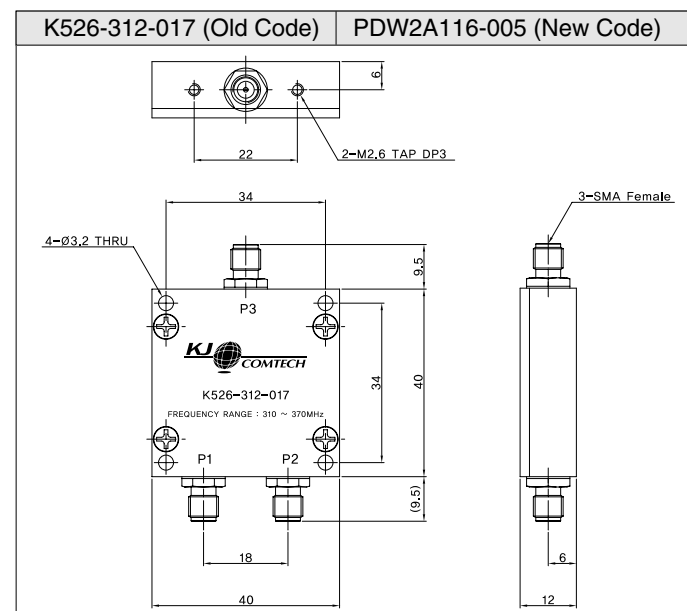
Products Reference Table

Product Code (Old)	Product Code (New)	Frequency Range (MHz)	Way	Connector Type
K526-312-017	PDW2A116-005	310 ~ 370	2	SMA
K526-312-008	PDW2C116-002	750 ~ 950	2	SMA
K526-312-027	PDW2E116-005	1700 ~ 1900	2	SMA
K526-312-038	PDW2F116-004	1900 ~ 2200	2	SMA
K526-313-038	PDW3A116-005	10	3	SMA
K526-313-018	PDW3C116-003	824 ~ 894	3	SMA
K526-313-001	PDW3E116-001	1700 ~ 1900	3	SMA
K526-313-003	PDW3F116-001	1900 ~ 2200	3	SMA
K526-314-024	PDW4A116-002	10	4	SMA
K526-314-012	PDW4E116-003	1700 ~ 1900	4	SMA
K526-314-014	PDW4F116-003	1900 ~ 2200	4	SMA
K526-316-004	PDW6EF16-002	1800 ~ 2000	6	SMA
K526-318-003	PDW8C116-002	750 ~ 950	8	SMA
K526-319-000	PDW9C116-001	824 ~ 894	9	SMA
K526-322-034	PDW2C134-004	824 ~ 894	2	N
K526-322-036	PDW2F134-009	1885 ~ 2170	2	N
K526-322-038	PDW2CF34-004	824 ~ 894, 1885 ~ 2170	2	N
K526-322-032	PDW2F134-008	1940 ~ 2150	2	N
K526-323-022	PDW3C134-002	824 ~ 894	3	N
K526-323-023	PDW3EF34-006	1885 ~ 2170	3	N
K526-324-016	PDW4C134-001	824 ~ 894	4	N
K526-324-017	PDW4EF34-003	1885 ~ 2170	4	N



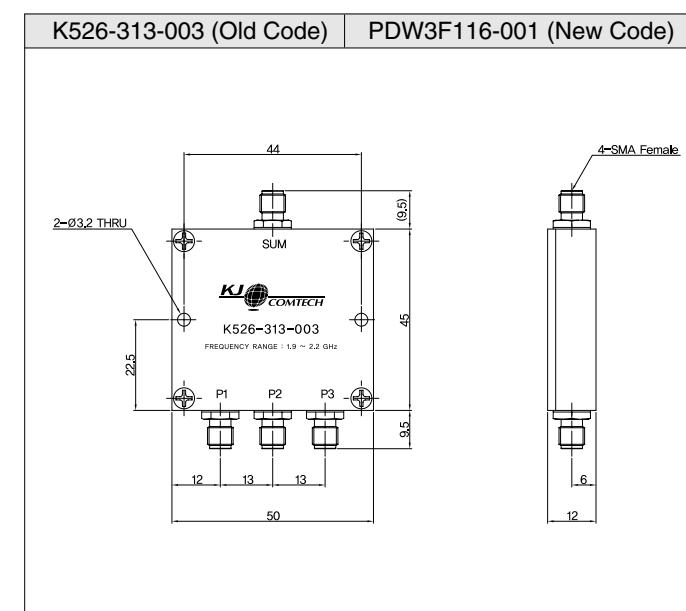
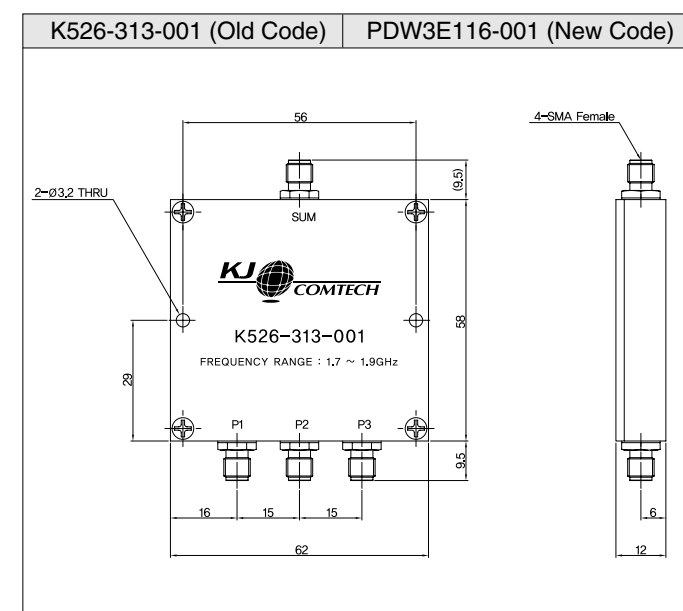
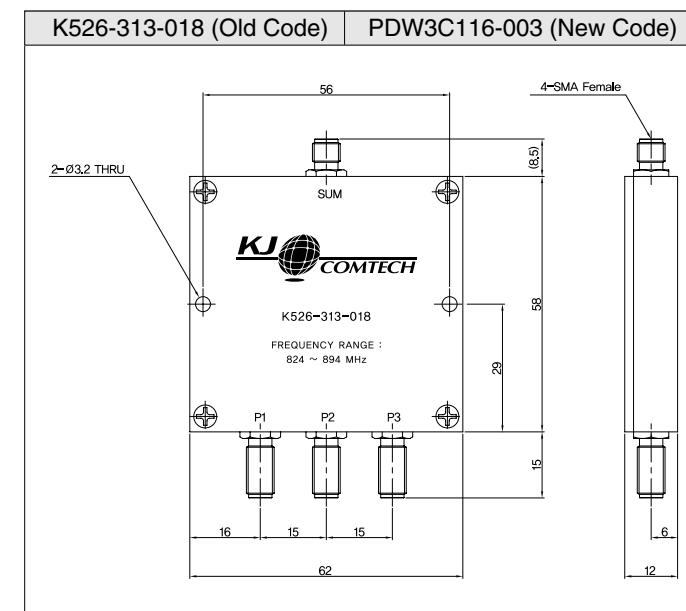
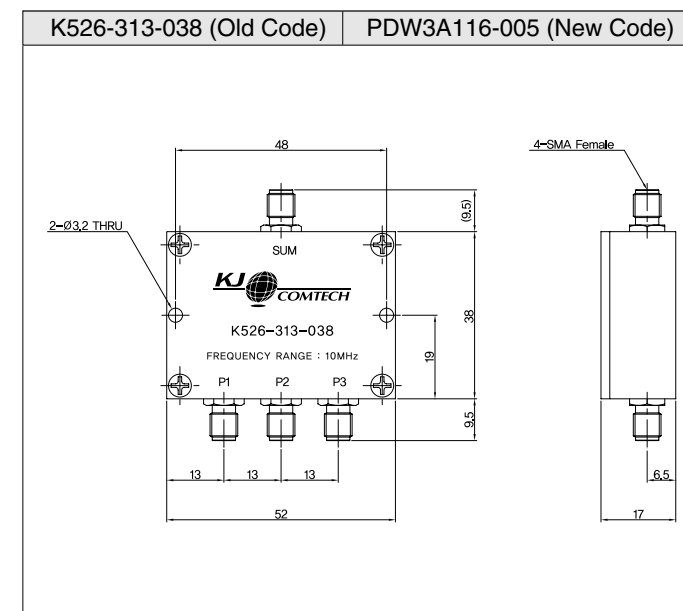
Power Divider (SMA)

Unit : mm



Product Code (Old)	K526-312-017	K526-312-008	K526-312-027	K526-312-038
Product Code (New)	PDW2A116-005	PDW2C116-002	PDW2E116-005	PDW2F116-004
Frequency Range (MHz)	310 ~ 370	750 ~ 950	1700 ~ 1900	1900 ~ 2200
Number of Way	2	2	2	2
Insertion Loss (max)	3.50 dB	3.30 dB	3.30 dB	3.30 dB
VSWR (max)	1.30 : 1	1.15 : 1	1.15 : 1	1.20 : 1
Isolation (min)	25	20	20	25
Amplitude Unbalance (max)	0.3 dB	0.2 dB	0.2 dB	0.3 dB
Phase Unbalance (max)	3°	2°	3°	3°
Impedance	50Ω	50Ω	50Ω	50Ω
Input Power (max)	1 W	1 W	1 W	1 W
Temperature Range	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C
Port Connector (IN/OUT)	SMA (F)	SMA (F)	SMA (F)	SMA (F)

Unit : mm

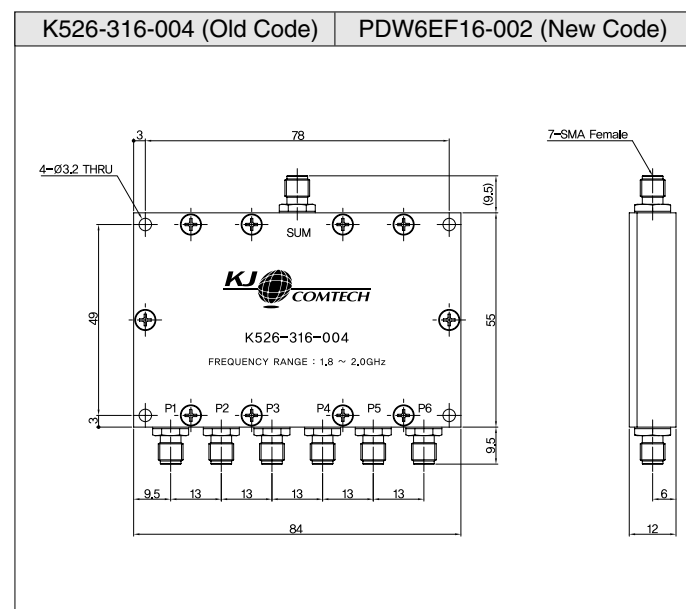
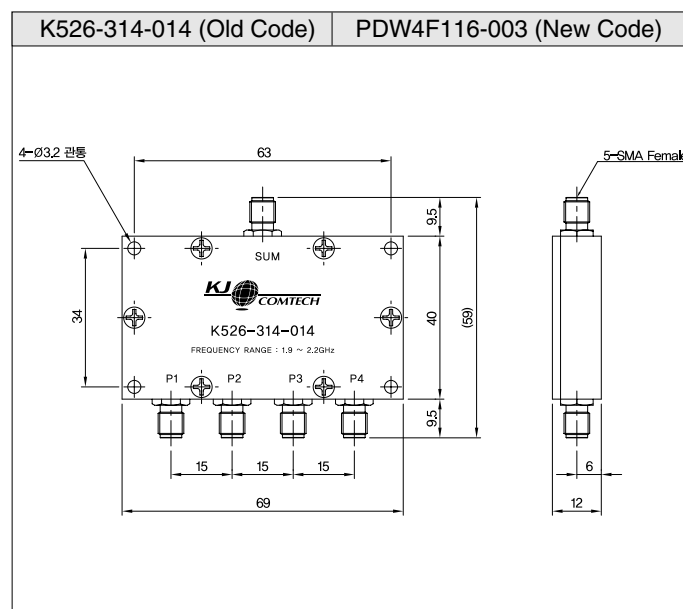
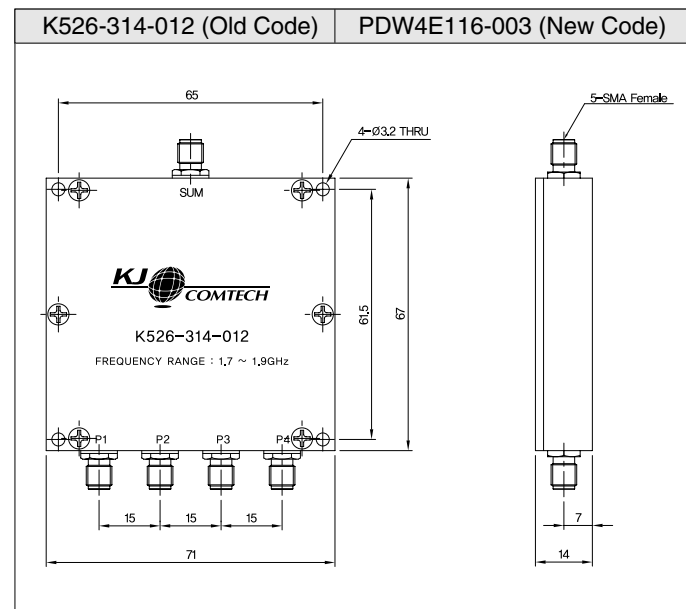
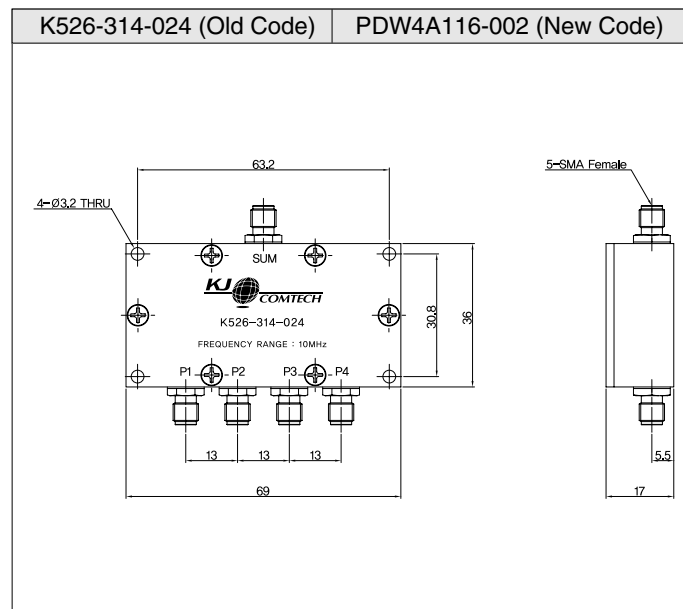


Product Code (Old)	K526-313-038	K526-313-018	K526-313-001	K526-313-003
Product Code (New)	PDW3A116-005	PDW3C116-003	PDW3E116-001	PDW3F116-001
Frequency Range (MHz)	10	824 ~ 894	1700 ~ 1900	1900 ~ 2200
Number of Way	3	3	3	3
Insertion Loss (max)	5.20 dB	5.07 dB	5.07 dB	5.07 dB
VSWR (max)	1.20 : 1 (SUM)	1.20 : 1	1.22 : 1	1.22 : 1
Isolation (min)	20 dB	20 dB	20 dB	20 dB
Amplitude Unbalance (max)	-	0.2	0.2	0.2
Phase Unbalance (max)	-	3°	4°	-
Impedance	50Ω	50Ω	50Ω	50Ω
Input Power (max)	1 W	1 W	1 W	1 W
Temperature Range	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C
Port Connector (IN/OUT)	SMA (F)	SMA (F)	SMA (F)	SMA (F)

Power Divider

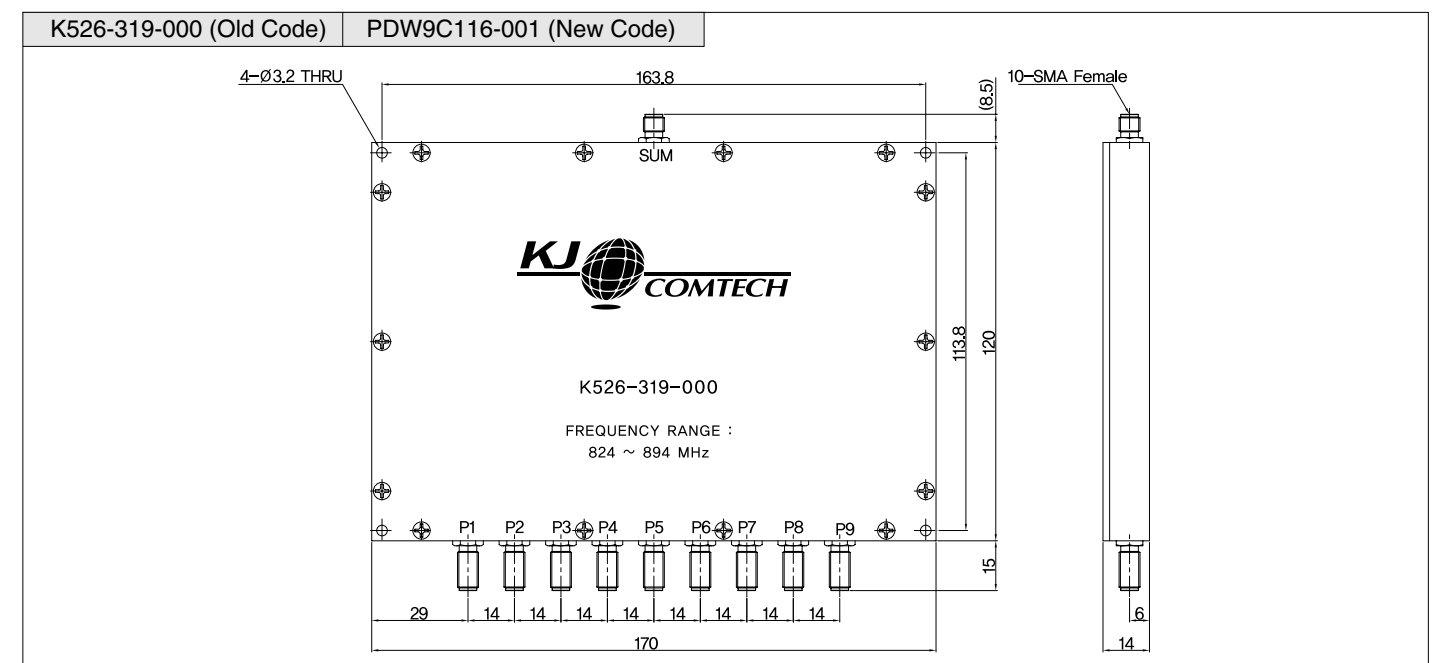
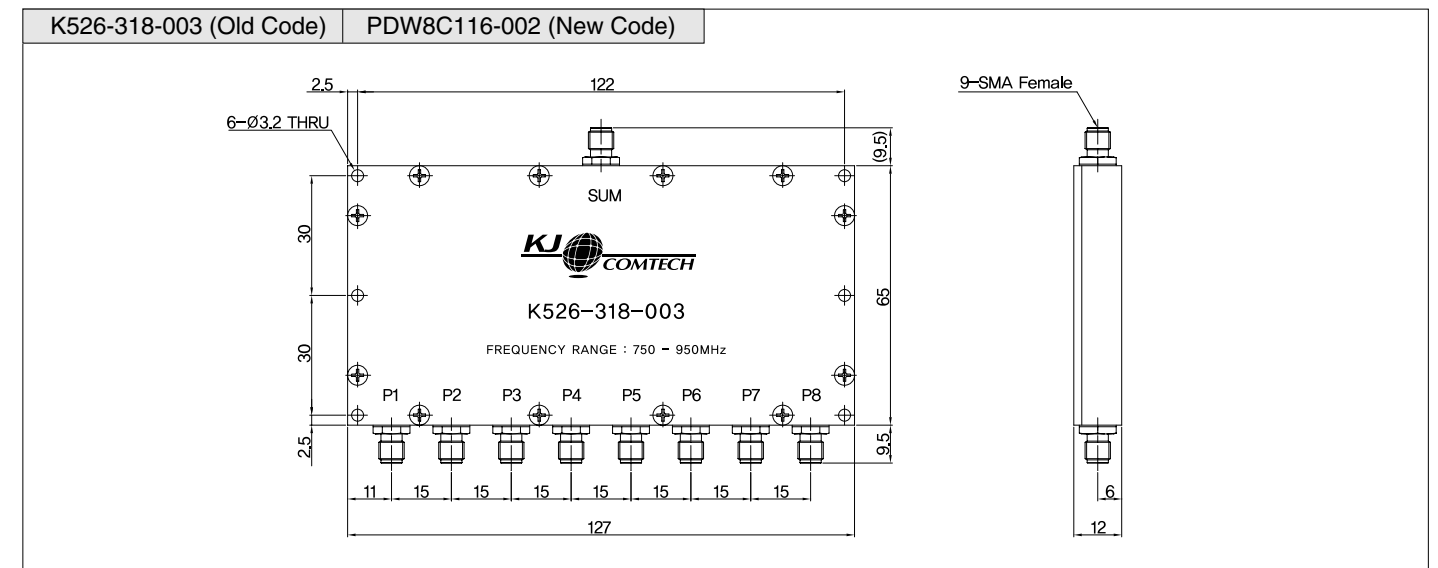


Unit : mm



Product Code (Old)	K526-314-024	K526-314-012	K526-314-014	K526-316-004
Product Code (New)	PDW4A116-002	PDW4E116-003	PDW4F116-003	PDW6EF16-002
Frequency Range (MHz)	10	1700 ~ 1900	1900 ~ 2200	1800 ~ 2000
Number of Way	4	4	4	6
Insertion Loss (max)	7.02 dB	6.52 dB	6.52 dB	8.30 dB
VSWR (max)	1.20 : 1	1.22 : 1	1.22 : 1	1.25 : 1
Isolation (min)	18 dB	20 dB	20 dB	20 dB
Amplitude Unbalance (max)	0.5 dB	0.3 dB	0.3 dB	0.3 dB
Phase Unbalance (max)	5°	4°	4°	-
Impedance	50Ω	50Ω	50Ω	50Ω
Input Power (max)	1 W	1 W	1 W	1 W
Temperature Range	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C
Port Connector (IN/OUT)	SMA (F)	SMA (F)	SMA (F)	SMA (F)

Unit : mm

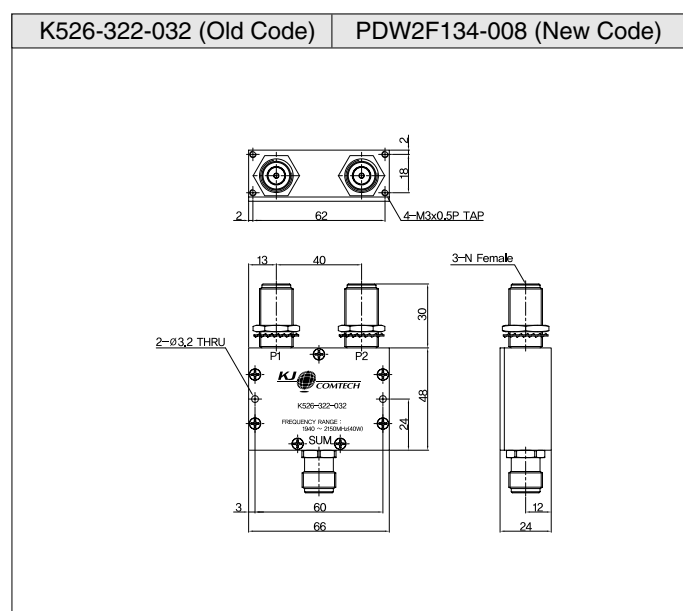
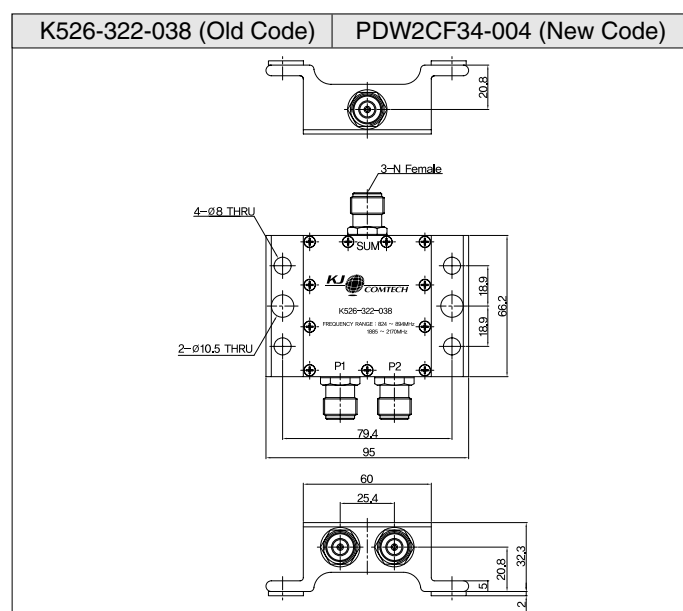
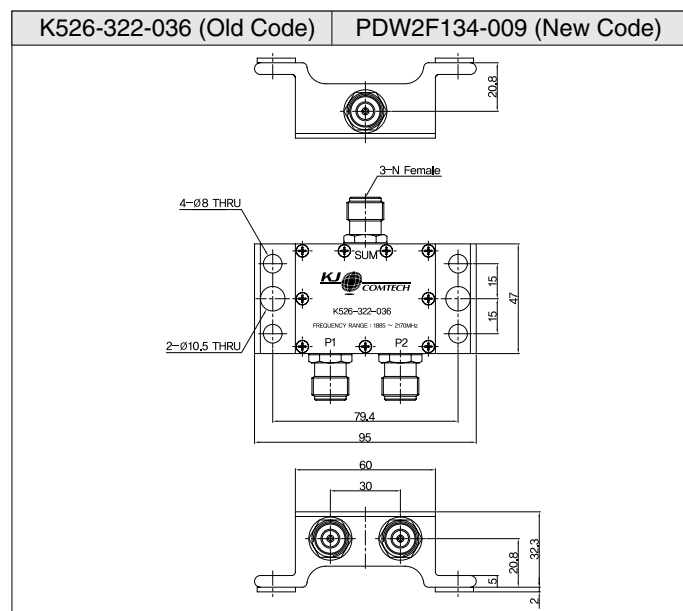
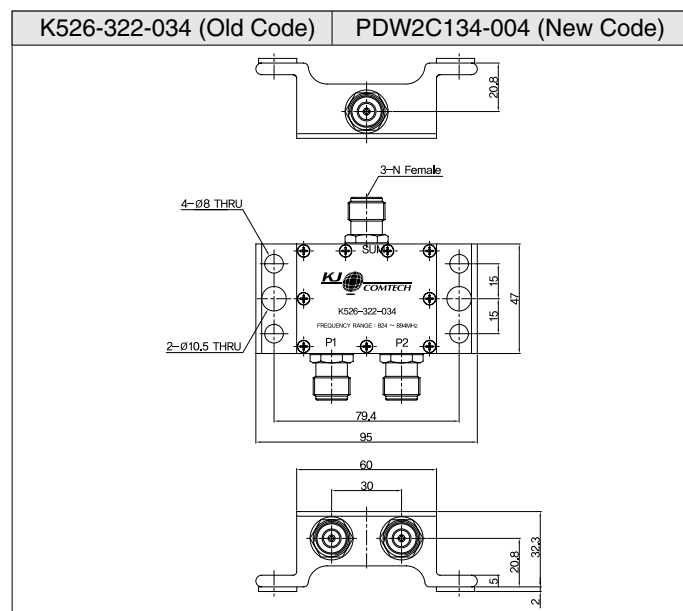


Product Code (Old)	K526-318-003	K526-319-000
Product Code (New)	PDW8C116-002	PDW9C116-001
Frequency Range (MHz)	750 ~ 950	824 ~ 894
Number of Way	8	9
Insertion Loss (max)	9.60 dB	10.20 dB
VSWR (max)	1.25 : 1	1.20 : 1
Isolation (min)	20 dB	20 dB
Amplitude Unbalance (max)	0.3 dB	0.3 dB
Phase Unbalance (max)	6°	3°
Impedance	50Ω	50Ω
Input Power (max)	1 W	1 W
Temperature Range	-30°C ~ +60°C	-30°C ~ +60°C
Port Connector (IN/OUT)	SMA (F)	SMA (F)



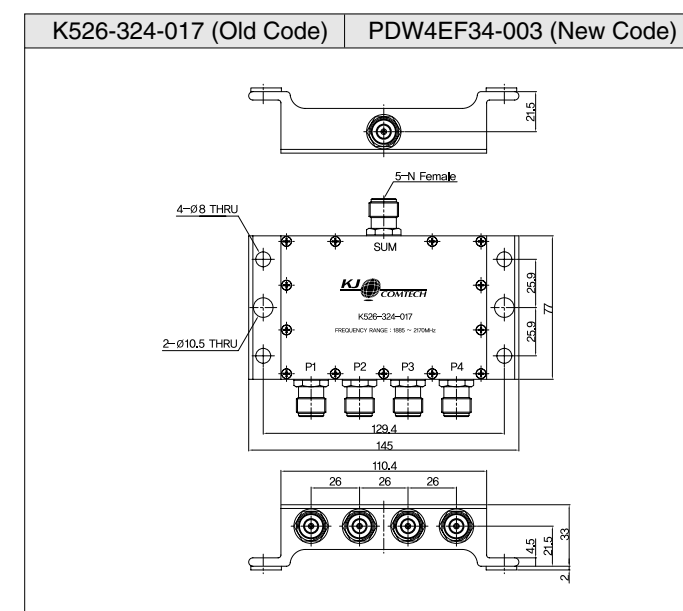
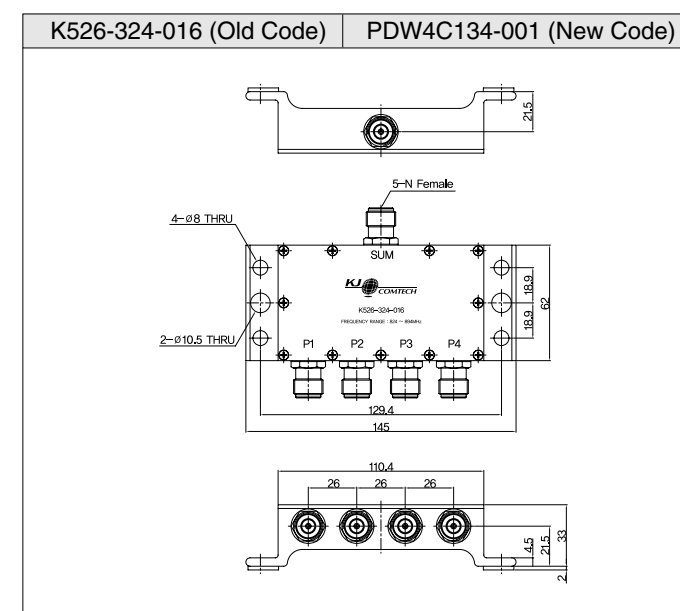
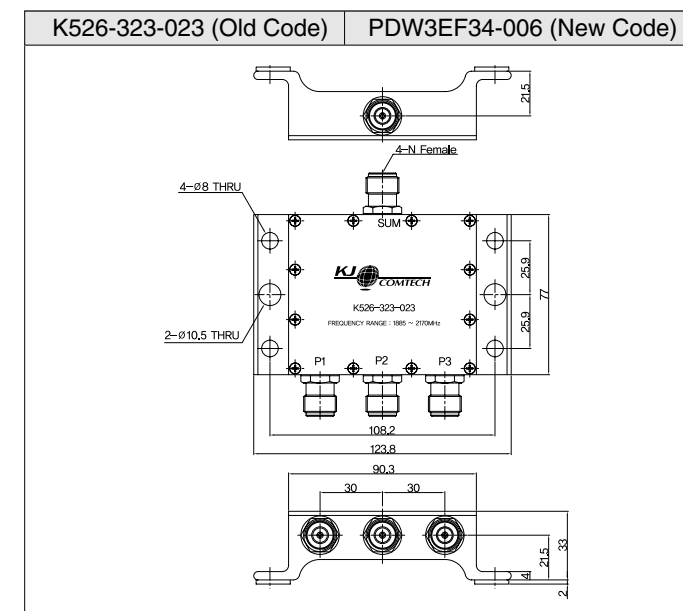
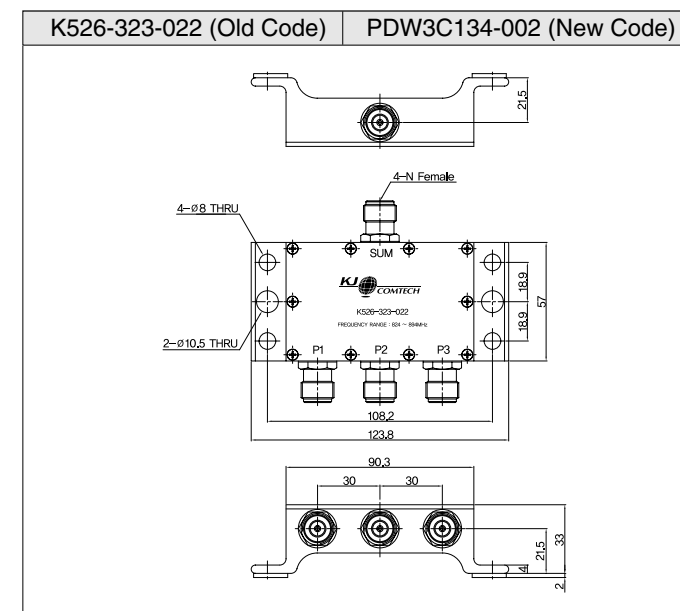
Power Divider (N)

Unit : mm



Product Code (Old)	K526-322-034	K526-322-036	K526-322-038	K526-322-032
Product Code (New)	PDW2C134-004	PDW2F134-009	PDW2CF34-004	PDW2F134-008
Frequency Range (MHz)	824 ~ 894	1885 ~ 2170	824~894, 1885~2170	1940 ~2150
Number of Way	2	2	2	2
Insertion Loss (max)	3.3 dB	3.3 dB	3.5 dB	3.3 dB
VSWR (max)	1.30 : 1	1.20 : 1	1.20 : 1	1.22 : 1
Isolation (min)	25 dB	25 dB	20 dB	25 dB
Amplitude Unbalance (max)	-	-	-	-
Phase Unbalance (max)	-	-	-	-
Impedance	50Ω	50Ω	50Ω	50Ω
Input Power (max)	5 W	10 W	10 W	40 W
Temperature Range	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C
Port Connector (IN/OUT)	N (F)	N (F)	N (F)	N (F)

Unit : mm



Product Code (Old)	K526-323-022	K526-323-023	K526-324-016	K526-324-017
Product Code (New)	PDW3C134-002	PDW3EF34-006	PDW4C134-001	PDW4EF34-003
Frequency Range (MHz)	824 ~ 894	1885 ~ 2170	824 ~ 894	1885 ~ 2170
Number of Way	3	3	4	4
Insertion Loss (max)	7.0/7.0/3.5 dB	6.7/6.7/3.5 dB	7.0 dB	6.7 dB
VSWR (max)	1.30 : 1	1.20 : 1	1.30 : 1	1.20 : 1
Isolation (min)	25 dB	25 dB	25 dB	25 dB
Amplitude Unbalance (max)	-	-	-	-
Phase Unbalance (max)	-	-	-	-
Impedance	50Ω	50Ω	50Ω	50Ω
Input Power (max)	5 W	10 W	5 W	10 W
Temperature Range	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C
Port Connector (IN/OUT)	N (F)	N (F)	N (F)	N (F)

Power Divider