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- Please conduct validation and verification of products in actual condition of mounting and operating environment before commercial shipment of the equipment.

- All electronic components or functional modules listed in this catalog are developed, designed and intended for use in general electronics equipment.(for AV, office automation, household, office supply, information service, telecommunications, (such as mobile phone or PC) etc.). Before incorporating the components or devices into any equipment in the field such as transportation,(automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network (telephone exchange, base station) etc. which may have direct influence to harm or injure a human body, please contact TAIYO YUDEN CO., LTD. for more detail in advance.

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- The contents of this catalog are applicable to the products which are purchased from our sales offices or distributors (so called "TAIYO YUDEN' s official sales channel").

It is only applicable to the products purchased from any of TAIYO YUDEN' s official sales channel.

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PARTS NUMBER

(A) Previous Rule (applied products registered on March 31, 2010 or before.)

F	A	R	-	D	6	N	F	-	1	G	9	6	0	0	-	P	1	B	Z	-	Z
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫										

① Family

② Common sign

③ Series name

Code	Product	Frequency Range [MHz]
D5	Duplexer	700 - 1000
D6	Duplexer	1000 - 5000
J5	Dual Duplexers	700 - 1000
F5	Device	700 - 1000
F6	Device	1000 - 5000
G5	Dual Devices	700 - 1000
G6	Dual Devices	1000 - 5000

④ Package code

⑤ Product code

⑥ Common sign

⑦ Frequency

⑧ Common sign

⑨ Internal code

⑩ Internal code

⑪ Custom code

⑫ Packaging

(B) New Rule (applied to products registered on April 1, 2010 or later.)

D	6	N	F	1	G	9	6	0	0	P	1	B	Z	-	Z
①	②	③	④	⑤	⑥	⑦	⑧								

① Series name

Code	Product	Frequency Range [MHz]
D5	Duplexer	700 - 1000
D6	Duplexer	1000 - 5000
J5	Dual Duplexers	700 - 1000
F5	Device	700 - 1000
F6	Device	1000 - 5000
G5	Dual Devices	700 - 1000
G6	Dual Devices	1000 - 5000

② Package code

③ Product code

④ Frequency

⑤ Internal code

⑥ Internal code

⑦ Custom code

⑧ Packaging

*For further details, please contact to TAIYO YUDEN CO., LTD.

EXTERNAL DIMENSIONS

2.5 × 2.0 × 0.6 (9pin)	2.0 × 1.6 × 0.5	1.4 × 1.0 × 0.5
1.1 × 0.9 × 0.5	1.8 × 1.4 × 0.5	1.5 × 1.1 × 0.5

● Duplexers

System	Part number	Package Size [mm]	Insertion Loss [dB]	Isolation [dB]	Remarks
W-CDMA Band 1	D6PE2G140P3AW	2.0×1.6×0.5	1.5/1.6	59/47	9 Pin, B Type Rx : Bal.100ohm
	D6DA2G140K2A4	1.8×1.4×0.5	1.8/1.8	56/51	8 Pin, B Type Rx : Bal.100ohm
	D6RB2G140E1AJ	1.8×1.4×0.5	1.7/1.8	57/48	8 Pin, B Type Rx : Bal.100ohm
	D6RB2G140E1AL	1.8×1.4×0.44	1.7/1.8	57/51	8 Pin, B Type Rx : Bal.100ohm
PCS/W-CDMA Band 2	D6PF1G960M3B6	2.0×1.6×0.57	2.2/2.7	55/52	9 Pin, B Type
	D6PF1G960M3B9	2.0×1.6×0.57	2.2/2.7	57/52	9 Pin, B Type
	D6PE1G960P3BY	2.0×1.6×0.57	2.0/3.1	57/53	9 Pin, B Type Rx : Bal.100ohm
	D6PE1G960P3BP	2.0×1.6×0.57	2.3/3.0	56/52	9 Pin, B Type Rx : Bal.100ohm
W-CDMA Band 4	D6RB1G960E1HB	1.8×1.4×0.6	2.1/2.9	56/55	8 Pin, B Type Rx : Bal.100ohm
	D6DA2G132K2D4	1.8×1.4×0.5	1.5/1.7	57/55	8 Pin B Type
	D6PE2G132P3DWB	2.0×1.6×0.5	1.8/1.8	55/50	9 Pin, B Type Rx : Bal.100ohm
	D6RB2G132E1DF	1.8×1.4×0.5	1.6/1.8	62/54	8 Pin B Type Rx : Bal.100ohm
CDMA/W-CDMA Band 5	FAR-D5PF-881M50-M3E7	2.0×1.6×0.5	1.5/1.8	58/51	9 Pin, A Type
	FAR-D5PF-881M50-M3E9	2.0×1.6×0.5	1.5/1.8	58/51	9 Pin, B Type
	FAR-D5PE-881M50-P3EZ	2.0×1.6×0.5	1.4/1.7	59/52	9 Pin, B Type Rx : Bal.100ohm
	FAR-D5PE-881M50-P3EY	2.0×1.6×0.5	1.4/1.7	59/52	9 Pin, A Type Rx : Bal.100ohm
	D5DA881M5K2E4	1.8×1.4×0.5	1.4/1.7	58/59	8 Pin, B Type
	D5RB881M5E1BH	1.8×1.4×0.47	1.4/1.7	58/52	8 Pin, B Type Rx : Bal.100ohm
LTE Band 7	D6HL2G655DL06	2.0×1.6×0.54	2.1/2.3	53/57	9 Pin, B Type FBAR
	D6HN2G655BN54	2.0×1.6×0.54	1.8/2.6	55/42	9 Pin, B Type Bal.100ohm, FBAR WLAN coexistence Ver.
W-CDMA Band 8	D5PF942M5M3G6	2.0×1.6×0.5	2.1/2.1	57/55	9 Pin, B Type for LTE
	D5PF942M5M3G9	2.0×1.6×0.5	1.9/2.2	60/52	9 Pin, B Type
	D5DA942M5K2G6	1.8×1.4×0.5	1.7/1.8	58/59	8 Pin, B Type
	D5PE942M5P3GT	2.0×1.6×0.5	1.7/2.2	58/54	9 Pin, B Type Rx : Bal.100ohm
	D5RB942M5E1CF	1.8×1.4×0.5	1.5/1.9	56/51	8 Pin, B Type Rx : Bal.100ohm
LTE Band 12	D5DA737M5K2H2	1.8×1.4×0.5	1.65/1.65	63/58	8 Pin, B Type
LTE Band 13	D5PE782MOM3P9	2.0×1.6×0.5	1.6/2.0	53/64	9 Pin, B Type
	D5DA782MOK2J6	1.8×1.4×0.5	1.65/1.65	63/58	8 Pin, B Type
LTE Band 13+17 Triplexer	J5NA782MOP1H6	2.5×2.0×0.6	1.6/1.9	60/53	9 Pin, B Type
LTE Band 17	D5PF740MOM3R9	2.0×1.6×0.5	1.6/1.8	50/50	9 Pin, B Type
	D5PE740MOP3NZ	2.0×1.6×0.5	1.9/2.0	63/60	9 Pin, B Type Rx : Bal.100ohm
LTE Band 21	D6PE1G503P3KW	2.0×1.6×0.5	1.6/2.0	55/56	9 Pin, B Type Rx : Bal.100ohm
LTE Band 25	D6HL1G962DL39	2.0×1.6×0.57	2.4/2.9	56/56	9 Pin, B Type FBAR
LTE Band 26	D5PF876M5M3U9	2.0×1.6×0.5	2.0/1.9	50/50	9 Pin, B Type
	D5PE876M5P3UZ	2.0×1.6×0.5	2.2/2.6	60/49	9 Pin, B Type Rx : Bal.100ohm
LTE Band 28	D5PF773MOM3Y6	2.0×1.6×0.5	1.8/2.3	60/53	Block A 9Pin, B Type
	D5PF788MOM3Y9	2.0×1.6×0.5	1.8/2.4	60/54	Block B 9Pin, B Type
CDMA BC0+BC10	D5PE878MOP3UT	2.0×1.6×0.5	1.9/2.2	59/51	9 Pin, B Type Rx : Bal.100ohm

● CDMA/GSM850/Band 5

System	Part number	Package Size [mm]	Insertion Loss [dB]	Attenuation [dB]	Remarks
CDMA Tx	FAR-F5KB-836M50-B4ER	1.4×1.0×0.5	1.7	44	100ohm input
	FAR-F5KB-836M50-B4EG	1.4×1.0×0.5	1.6	42	200ohm input
	F5QA836M5M2AR	1.1×0.9×0.5	1.9	45	High Att.
CDMA/GSM850 Tx	FAR-F5KA-836M50-D4DF	1.4×1.0×0.5	1.9	44	High Att.
CDMA/W-CDMA Band 5 Rx	FAR-F5KB-881M50-B4ED	1.4×1.0×0.5	1.5	61	100ohm output
	FAR-F5KY-881M50-B4UZ	1.4×1.0×0.5	1.5	61	100ohm, High Att.
	FAR-F5KB-881M50-B4EJ	1.4×1.0×0.5	1.4	64	200ohm output
	FAR-F5QB-881M50-P2BG	1.1×0.9×0.5	1.5	60	100ohm output
	F5QG881M5P2KG	1.1×0.9×0.5	1.5	56	100ohm, High Att., Low Loss
	FAR-F5KA-881M50-D4DB	1.4×1.0×0.5	1.7	56	High Att.
	FAR-F5QA-881M50-M2AF	1.1×0.9×0.5	1.6	46	-
GSM850/CDMA Rx	F5QA881M5M2AU	1.1×0.9×0.5	1.3	51	Low Loss/high Att.
	FAR-F5KB-881M50-B4EA	1.4×1.0×0.5	1.7	53	150ohm output
GSM850 Rx	FAR-F5QB-881M50-P2BA	1.1×0.9×0.5	1.3	63	150ohm output

● CDMA2000 BC0+BC10

System	Part number	Package Size [mm]	Insertion Loss [dB]	Attenuation [dB]	Remarks
CDMA2000 BC0+10 Tx	F5KA833M0D4DU	1.4×1.0×0.5	2.3	43	High Att.
	F5KA833M0D4MG	1.4×1.0×0.5	1.4	20	Low IL
CDMA2000 BC0+10 Rx	F5KY878M0B4ND	1.4×1.0×0.5	2.1	53	100ohm output

● GSM/EGSM/Band 8

System	Part number	Package Size [mm]	Insertion Loss [dB]	Attenuation [dB]	Remarks
EGSM Tx	FAR-F5KA-897M50-D4DC	1.4×1.0×0.5	2.2	16	High Att.
	FAR-F5KA-897M50-D4VW	1.4×1.0×0.5	2.6	38	High Att.
	F5QA897M5M2AC	1.1×0.9×0.5	2.3	18	-
EGSM Rx	FAR-F5KA-942M50-D4DD	1.4×1.0×0.5	2.0	34	High Att.
	FAR-F5KB-942M50-B4EB	1.4×1.0×0.5	1.6	26	150ohm output
	FAR-F5KB-942M50-B4ES	1.4×1.0×0.5	2.4	29	100ohm output
	FAR-F5QB-942M50-P2BB	1.1×0.9×0.5	1.6	28	150ohm output
	F5KA942M5D4MYB	1.4×1.0×0.5	1.9	53	High Att.
W-CDMA/LTE Band 8	FAR-F5KY-942M50-B4UW	1.4×1.0×0.5	2.0	57	100ohm, High Att.
	F5QG942M5P2KB	1.1×0.9×0.5	2.2	56	100ohm, High Att.
	F5QG942M5P2KF	1.1×0.9×0.5	2.2	60	100ohm output for LTE

PARTS NUMBER

DCS/Band 3

System	Part number	Package Size [mm]	Insertion Loss [dB]	Attenuation [dB]	Remarks
DCS Tx	FAR-F6KA-1G7475-D4CY	1.4 × 1.0 × 0.5	2.5	30	
	F6QA1G747M2QS	1.1 × 0.9 × 0.5	2.1	22	
DCS Rx	FAR-F6KA-1G8425-D4CK	1.4 × 1.0 × 0.5	2.1	20	
	FAR-F6KB-1G8425-B4GA	1.4 × 1.0 × 0.5	1.5	14	150ohm output
	F6QB1G842P2BM	1.1 × 0.9 × 0.5	1.8	15	100ohm
	F6QB1G842P2BF	1.1 × 0.9 × 0.5	1.6	17	150ohm
W-CDMA/LTE Band 3	F6QA1G842M2AN	1.1 × 0.9 × 0.5	2.0	38	Unbal.
	F6KY1G842B4UM	1.4 × 1.0 × 0.5	3.0	50	100ohm, High Att.
	F6QG1G842P2KD	1.1 × 0.9 × 0.5	3.2	45	100ohm output

PCS/GSM1900/Band 2

System	Part number	Package Size [mm]	Insertion Loss [dB]	Attenuation [dB]	Remarks
US-PCS Tx	FAR-F6KA-1G8800-L4AF	1.4 × 1.0 × 0.5	2.4	35	High Att.
	FAR-F6KB-1G8800-B4GS	1.4 × 1.0 × 0.5	2.3	28	100ohm input
	F6QA1G880M2AQ	1.1 × 0.9 × 0.5	1.7	20	
US-PCS Rx	FAR-F6KA-1G9600-D4MT	1.4 × 1.0 × 0.5	3.4	43	High Att.
	F6QA1G960M2AP	1.1 × 0.9 × 0.5	2.8	39	High Att.
	FAR-F6KB-1G9600-B4GP	1.4 × 1.0 × 0.5	2.1	23	100ohm output
	FAR-F6KY-1G9600-B4UU	1.4 × 1.0 × 0.5	2.9	49	100ohm, High Att.
	F6KY1G960B4NF	1.4 × 1.0 × 0.5	2.8	50	100ohm output
	F6QG1G960P2KT	1.1 × 0.9 × 0.5	2.8	44	100ohm output
	FAR-F6KA-1G9600-D4CR	1.4 × 1.0 × 0.5	2.0	18	
GSM1900/US-PCS Rx	FAR-F6KB-1G9600-B4GB	1.4 × 1.0 × 0.5	1.6	18	150ohm output
	F6QB1G960P2BK	1.1 × 0.9 × 0.5	1.5	15	150ohm output

GSM Dual

System	Part number	Package Size [mm]	Insertion Loss [dB]	Attenuation [dB]	Remarks
GSM850+EGSM Rx	FAR-G5QC-942M50-N2FB	1.5 × 1.1 × 0.5	1.5/1.8	50/29	GSM850 150ohm output EGSM 150ohm output
GSM850+EGSM Rx (Common Input)	FAR-G5KT-942M50-Y4RW	1.8 × 1.4 × 0.5	1.9/2.2	50/25	GSM850 150ohm output EGSM 150ohm output
GSM850+EGSM Rx (Common Output)	FAR-G5KW-942M50-Y4YD	1.8 × 1.4 × 0.5	2.5/1.8	32/38	EGSM 150ohm output GSM850 150ohm output
EGSM+GSM850 Rx	FAR-G5KC-942M50-Y4YW	1.8 × 1.4 × 0.5	1.8/1.4	31/54	EGSM 150ohm output GSM850 150ohm output
	FAR-G5QC-942M50-N2CD	1.5 × 1.1 × 0.5	1.7/1.4	29/51	EGSM 150ohm output GSM850 150ohm output
EGSM+GSM850 Rx (Common Input)	FAR-G5KT-942M50-Y4RZ	1.8 × 1.4 × 0.5	2.2/1.9	25/52	EGSM 150ohm output GSM850 150ohm output
	FAR-G5QD-942M50-N2DB	1.5 × 1.1 × 0.5	2.5/2.0	25/55	EGSM 150ohm output GSM850 150ohm output
	FAR-G6KC-1G9600-N2FA	1.5 × 1.1 × 0.5	1.9/1.7	17/13	DCS 150ohm output GSM1900 150ohm output
DCS+GSM1900 Rx	G6QJ1G960M2MB	1.5 × 1.1 × 0.5	1.9/1.9	19/19	Rx Dual Unbal
	FAR-G6KT-1G9600-Y4RU	1.8 × 1.4 × 0.5	1.8/2.0	18/13	DCS 150ohm output GSM1900 150ohm output
DCS+GSM1900 Rx (Common Input)	G6QD1G960N2DY	1.5 × 1.1 × 0.5	1.8/1.9	18/14	1 IN 4 OUT 150ohm output
GSM1900+DCS Rx	FAR-G6KC-1G9600-Y4YY	1.8 × 1.4 × 0.5	1.9/1.8	14/16	GSM1900 150ohm output DCS 150ohm output
	G6QC1G960N2CH	1.5 × 1.1 × 0.5	1.6/1.6	13/15	GSM1900 150ohm output DCS 150ohm output
GSM1900+DCS Rx (Common Input)	G6QN1G960M2RE	1.5 × 1.1 × 0.5	2.0/2.3	22/25	Unbal 1in2out
	FAR-G6KT-1G9600-Y4RY	1.8 × 1.4 × 0.5	1.9/1.8	13/18	GSM1900 150ohm output DCS 150ohm output
GSM1900+DCS Rx (Common Output)	FAR-G6KW-1G9600-Y4YC	1.8 × 1.4 × 0.5	2.2/3.1	13/15	170ohm output for IMC
	G6QE1G960N2EC	1.5 × 1.1 × 0.5	2.5/2.5	18/13	GSM1900 150ohm output DCS 150ohm output
	G6QE1G960N2EE	1.5 × 1.1 × 0.5	2.2/2.2	31/14	GSM1900/DCS 150ohm output Low Loss
GSM1900+850 Rx	G6GF1G960N2GA	1.5 × 1.1 × 0.5	1.6/1.4	14/54	GSM1900 150ohm output GSM850 150ohm output

GPS

System	Part number	Package Size [mm]	Insertion Loss [dB]	Attenuation [dB]	Remarks
GPS	FAR-F6KA-1G5754-L4AJ	1.4 × 1.0 × 0.5	0.9	-	Low loss, High Att.
	F6QA1G575H2JF	1.1 × 0.9 × 0.5	0.96	-	Low loss, High Att.
	FAR-F6KB-1G5754-B4GE	1.4 × 1.0 × 0.5	1.1	-	100ohm, Low loss
	FAR-F6KB-1G5754-B4GU	1.4 × 1.0 × 0.5	1.2	-	100ohm, High Att.
GPS/GNSS	FAR-F6KA-1G5859-D4MS	1.4 × 1.0 × 0.5	1.0/1.2	-	-
	F6QA1G585M2AT	1.1 × 0.9 × 0.5	1.1/1.4	-	-
	FAR-F6KB-1G5859-B4HR	1.4 × 1.0 × 0.5	1.1/1.4	-	100ohm output
	F6QB1G585P2BQ	1.1 × 0.9 × 0.5	1.5/1.7	-	100ohm output
GPS+GLONASS+Galileo+Compass	F6KA1G581D4JR	1.4 × 1.0 × 0.5	1.6	-	-
	F6QA1G581M2QZ	1.1 × 0.9 × 0.5	1.1/1.4	-	-
	F6QA1G582H2JM	1.1 × 0.9 × 0.5	1.2/1.8	-	Ladder High Att.
	F6BG1G582R6TT	1.1 × 0.9 × 0.44	1.7	-	100ohm output

W-CDMA

System	Part number	Package Size [mm]	Insertion Loss [dB]	Attenuation [dB]	Remarks
W-CDMA Band 1 Tx	FAR-F6KA-1G9500-D4DG	1.4 × 1.0 × 0.5	1.6	38	Low loss, High Att.
	FAR-F6KB-1G9500-B4GJ	1.4 × 1.0 × 0.5	2.1	34	100ohm output
	F6QA1G950M2AA	1.1 × 0.9 × 0.5	1.8	38	Low loss, High Att.
W-CDMA Band 1/4 Rx	FAR-F6KA-2G1400-D4CG	1.4 × 1.0 × 0.5	1.9	39	Unbal.
	FAR-F6KB-2G1400-B4GC	1.4 × 1.0 × 0.5	1.7	39	100ohm output
	FAR-F6KA-2G1400-D4DW	1.4 × 1.0 × 0.5	1.9	48	High Att.
	FAR-F6KY-2G1400-B4UY	1.4 × 1.0 × 0.5	1.8	64	100ohm, High Att.
	F6QA2G140M2AM	1.1 × 0.9 × 0.5	1.9	46	Unbal.
	F6QG2G140P2KA	1.1 × 0.9 × 0.5	1.7	55	100ohm, High Att.
W-CDMA Band 1+2 Rx	G6QL2G140M2PA	1.5 × 1.1 × 0.5	1.9/3.0	48/41	Rx Div Unbal.
W-CDMA Band 2+1 Rx	G6QH2G140N2LP	1.5 × 1.1 × 0.5	3.2/2.3	53/54	2 (1.9G)100ohm out 1 (2G)100ohm out
W-CDMA Band 4 Tx	FAR-F6KA-1G7400-D4DE	1.4 × 1.0 × 0.5	1.5	44	
W-CDMA Band 5+8 Rx	G5QH942M5N2LN	1.5 × 1.1 × 0.5	1.6/20	56/50	100ohm output
W-CDMA Band 8+5 Rx (Common Output)	G5QT942M5N2VA	1.5 × 1.1 × 0.5	2.3/2.0	48/48	100ohm output
W-CDMA Band 7 Tx	F6KA2G535L4AM	1.4 × 1.0 × 0.5	1.6	30	Unbal.
W-CDMA/LTE Band 7 Rx	FAR-F6KY-2G6550-B4UN	1.4 × 1.0 × 0.5	2.8	54	100ohm, High Att.
	F6QG2G655P2KE	1.1 × 0.9 × 0.5	2.5	52	100ohm, High Att.
W-CDMA Band 9 Tx	FAR-F6KA-1G7675-D4CT	1.4 × 1.0 × 0.5	1.8	31	Unbal.
W-CDMA Band 9 Rx	FAR-F6KB-1G8625-B4GT	1.4 × 1.0 × 0.5	2.1	40	100ohm output
LTE Band 12 Tx	F5KA707M5D4JW	1.4 × 1.0 × 0.5	1.6	23	Unbal.
LTE Band 12 Rx	F5KY737M0B4NN	1.4 × 1.0 × 0.5	1.4	57	100ohm output
LTE Band 13 Tx	FAR-F5KA-782M00-D4VP	1.4 × 1.0 × 0.5	1.5	55	Unbal.
	F5QA782M0M2AZ	1.1 × 0.9 × 0.5	1.5	56	Unbal.
LTE Band 13 Rx	FAR-F5KY-751M00-B4UQ	1.4 × 1.0 × 0.5	1.6	50	100ohm output
	F5QA751M0M2QM	1.1 × 0.9 × 0.5	1.9	50	Unbal.
LTE Band 17 Tx	FAR-F5KA-710M00-D4VQ	1.4 × 1.0 × 0.5	1.2	32	Unbal.
	F5QA710M0M2AY	1.1 × 0.9 × 0.5	1.3	33	Unbal.
LTE Band 17 Rx	FAR-F5KY-740M00-B4UR	1.4 × 1.0 × 0.5	1.4	60	100ohm output
	F5QG740M0P2KH	1.1 × 0.9 × 0.5	1.4	65	100ohm output
LTE Band 18 Tx	F5KA822M5D4VR	1.1 × 0.9 × 0.5	1.6	40	Unbal.
LTE Band 18+5 (BC0) Tx	F5KA832M0D4JS	1.4 × 1.0 × 0.5	1.5	19	Unbal.
LTE Band 20 Tx	F5KA847M0D4ML	1.4 × 1.0 × 0.5	1.7	52	Unbal.
LTE Band 20 Rx	F5KY806M0B4NE	1.4 × 1.0 × 0.5	2.5	45	100ohm output
	F5QA806M0M2QE	1.1 × 0.9 × 0.5	2.7	41	Unbal.
LTE Band 21 Rx	F6KY1G503B4NS	1.4 × 1.0 × 0.5	1.4	47	100ohm output Low loss
	F6QA1G503M2QF	1.1 × 0.9 × 0.5	2.0	52	Unbal.
LTE Band 25 Tx	F6QA1G882M2AS	1.1 × 0.9 × 0.5	1.8	23	Unbal.
LTE Band 26 Rx	F5QG876M5P2KQ	1.1 × 0.9 × 0.5	2.2	59	100ohm output
LTE Band 28 Rx	F5QA773M0M2QC	1.1 × 0.9 × 0.5	2.1	52	Block A
	F5QA788M0M2QB	1.1 × 0.9 × 0.5	2.0	52	Block B
LTE Band 29 Rx	F5BA722M5M6UW	1.1 × 0.9 × 0.44	1.6	38	Unbal.
TD LTE Bnad 38 Tx	F6KA2G595A4VL	1.4 × 1.0 × 0.5	1.5	-	Input Power +29dBm
TD LTE Bnad 38 Rx	F6QA2G595M2QK	1.1 × 0.9 × 0.5	1.9	-	
	F6KB2G595B4HS	1.4 × 1.0 × 0.5	2.6	-	150ohm output
	F6QB2G595P2BS	1.1 × 0.9 × 0.5	2	-	Balanced 100ohm
	G6QE2G595N2EJ	1.5 × 1.1 × 0.5	2.9/2.8	-	Balanced 100ohm
TD LTE Band 40 Tx	F6HF2G350AF41	1.4 × 1.0 × 0.6	2.3	-	Input Power +29dBm FBAR
TD LTE Band 40 Rx	F6QA2G350M2QA	1.1 × 0.9 × 0.5	2.2	-	
	F6KB2G350B4HT	1.4 × 1.0 × 0.5	2.7	-	150ohm output
	F6KB2G350B4HTB	1.4 × 1.0 × 0.5	2.5	-	Balanced 100ohm
	F6HP2G593AP20	2.0 × 1.6 × 0.6	2.9	-	Unbal High power design 2555-2655MHz BW100MHz

Other

System	Part number	Package Size [mm]	Insertion Loss [dB]	Attenuation [dB]	Remarks
ISM900 (B.W.26MHz)	FAR-F5QA-915M00-M2AK	1.1 × 0.9 × 0.5	1.8	-	
TD-SCDMA/TD-LTE Band 34	FAR-F6KA-2G0175-D4DR	1.4 × 1.0 × 0.5	1.8	-	High Att
TD-SCDMA/TD-LTE Band 39	FAR-F6KA-1G9000-D4DS	1.4 × 1.0 × 0.5	1.6	-	
TD-SCDMA Band 34+39	G6QJ2G017M2MD	1.5 × 1.1 × 0.5	1.3/1.4	-	2 IN/2 OUT
	G6QE2G017N2EU	1.5 × 1.1 × 0.5	1.8/1.8	-	Balanced 100ohm
	G6QN2G017M2RD	1.5 × 1.1 × 0.5	1.6/2.0	-	1 IN/2 OUT
	G6QN2G017M2RF	1.5 × 1.1 × 0.5	1.5/1.8	-	1 IN/2 OUT Good Shape Factor
TD-SCDMA Band 39+34 (Common input)	G6QD2G017N2DU	1.5 × 1.1 × 0.5	1.7/2.0	-	Balanced 100ohm
TD-SCDMA Band 34+39 (Common input)	G6QD2G017N2DC	1.5 × 1.1 × 0.5	2.2/1.8	-	Balanced 200ohm
Wireless LAN	FAR-F6KA-2G4418-D4CU	1.4 × 1.0 × 0.5	2.6	-	+10dBm
	FAR-F6KA-2G4418-A4VA	1.4 × 1.0 × 0.5	3.0	-	+23dBm
	FAR-F6KA-2G4500-A4VD	1.4 × 1.0 × 0.5	1.9	-	Low IL, +19dBm
	F6KA2G436A4VE	1.4 × 1.0 × 0.5	2.5	-	BW=72MHz, +24dBm
	F6KA2G466A4VJ	1.4 × 1.0 × 0.5	2.8	-	BW=68MHz, +24dBm
	F6HF2G441AF46	1.4 × 1.0 × 0.6	1.6	-	2402.5-2481.5MHz Input Power +28dBm FBAR

MULTILAYER EMI SUPPRESSION FILTERS

PACKAGING

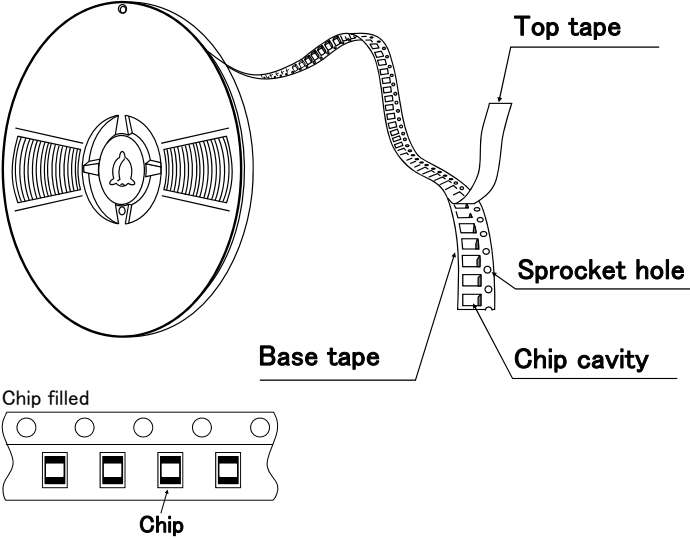
① Minimum Quantity

Taped package

Type	Thickness mm (inch)	Standard Quantity [pcs]
		Embossed tape
FK 2125 (0805)	1.0 (0.039)	3000

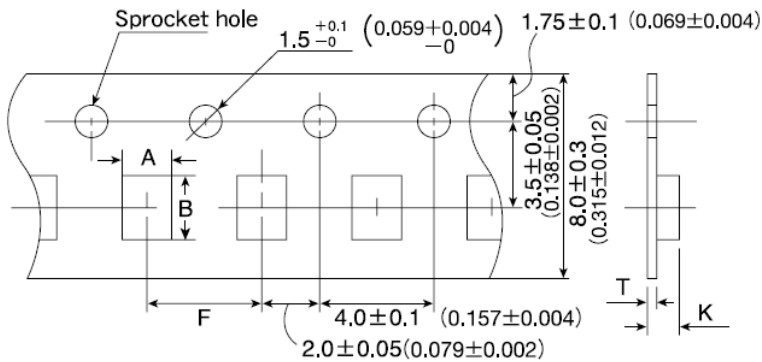
② Tape material

Embossed Tape



③ Taping dimensions

Embossed tape 8mm wide

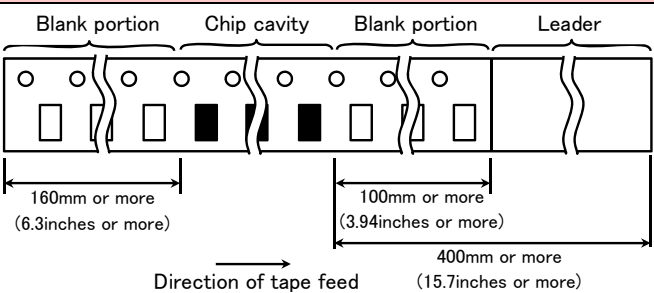


Unit : mm (inch)

Type	Chip cavity		Insertion pitch	Tape thickness	
	A	B	F	K	T
FK 2125 (0805)	1.5 ± 0.2 (0.059 ± 0.008)	2.3 ± 0.2 (0.091 ± 0.008)	4.0 ± 0.1 (0.157 ± 0.004)	2.0 max. (0.079 max.)	0.3 max. (0.012 max.)

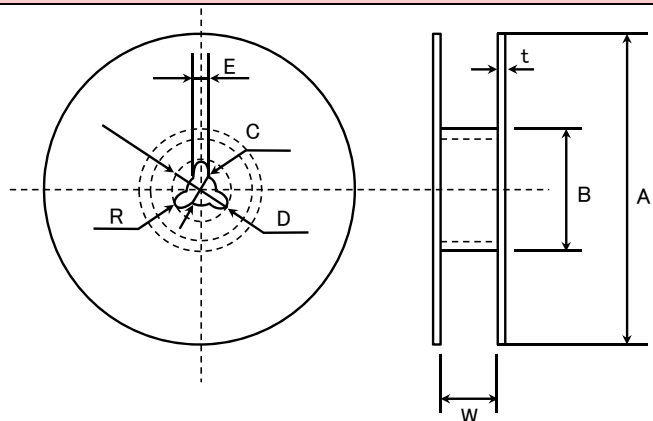
Unit : mm (inch)

④ Leader and Blank portion



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⑤ Reel size

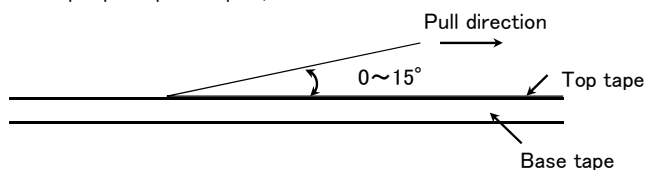


A	B	C	D	E	R	t	W
$\phi 178 \pm 2.0$	$\phi 50 \text{min.}$	$\phi 13.0 \pm 0.2$	$\phi 21.0 \pm 0.8$	2.0 ± 0.5	1.0	2.5max.	10 ± 1.5

Unit : mm

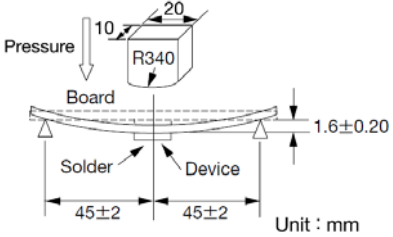
⑥ Top tape strength

The top tape requires a peel;-off force of 0.1~0.7N in the direction of the arrow as illustrated below.



Filter

RELIABILITY DATA

1. Terminal strength	
Specified Value	No damage to be found.
Test Methods and Remarks	Bending Test. according to IEC60068-2-21(JISC60068-2-21)  Unit : mm
2. Mechanical shock	
Specified Value	After testing, meet the specified characteristics at a room temperature.
Test Methods and Remarks	Apply 14700m/s ² for 0.5ms 5 times for each of 6 directions. according to IEC68-2-27(JISC60068-2-27).
3. Vibration	
Specified Value	After testing, meet the specified characteristics at a room temperature.
Test Methods and Remarks	With 1.5 mm of whole amplitude at 10 to 55 Hz of frequency, and 98m/s ² of acceleration at 55 to 500Hz, apply a vibration for 2 hours for each of 3 directions, period is 15 minutes(10 to 500 to 10Hz)
4. Drop 1	
Specified Value	After testing, meet the specified characteristics at a room temperature.
Test Methods and Remarks	Drop 3 times onto concrete floor from the height of 1.0m.
5. Drop 2	
Specified Value	After testing, meet the specified characteristics at a room temperature.
Test Methods and Remarks	Drop with 150g weight 3 times in each 6 direction onto concrete floor from the height of 1.8m.
6. Temperature cycling	
Specified Value	After testing, meet the specified characteristics at a room temperature.
Test Methods and Remarks	Temp. range -40 to +100°C. 500cycle.
7. Static humidity	
Specified Value	After testing, meet the specified characteristics at a room temperature.
Test Methods and Remarks	+85°C, 90% to 95%RH, apply DC5V, 1000hours.
8. High temperature storage life	
Specified Value	After testing, meet the specified characteristics at a room temperature.
Test Methods and Remarks	+100°C, 1000hours.
9. Low temperature storage life	
Specified Value	After testing, meet the specified characteristics at a room temperature.
Test Methods and Remarks	-40°C, 1000hours.

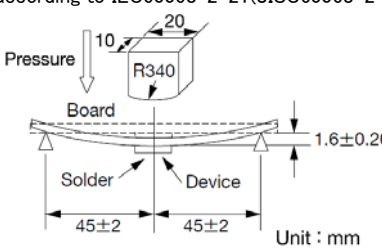
10. Solderability 1	
Specified Value	More than 90% of area of terminals to be covered with the solder. A change of the remarkable appearance do not have it.
Test Methods and Remarks	Lead-free Solder paste, Reflow; Peak temperature 245°C

11. Solderability 2	
Specified Value	More than 90% of area of terminals to be covered with the solder. A change of the remarkable appearance do not have it.
Test Methods and Remarks	Sn-Pb Solder paste, Reflow; Peak temperature 235°C

12. Solder heat resistance	
Specified Value	After testing, meet the specified characteristics at a room temperature. A change of the remarkable appearance do not have it.
Test Methods and Remarks	◆ Recommended temperature profile of reflow soldering Figure shows recommended temperature profile of reflow soldering in the case of lead-free solder alloy Sn3.0Ag0.5Cu. Suitable condition for solder heating is differed depending on composition and manufacturing method. Please contact to solder manufacturer for the details. Temperature (°C) Ambient temperature rise slope : 1~4°C/sec. Pre-Heating 150~180°C 50~110sec. 30~50sec. 230°Cmin. 50sec. max. Temperature of upper surface of package and PCB surface. : 260°Cmin. 10sec. max. Ambient temperature cool slope : 1~4°C/sec. 10sec.

Duplexer

RELIABILITY DATA

1. Terminal strength	
Specified Value	No damage to be found.
Test Methods and Remarks	Bend width 4mm, hold for 5 ± 1 sec. according to IEC60068-2-21(JISC60068-2-21)  Unit : mm
2. Mechanical shock	
Specified Value	After testing, meet the specified characteristics at a room temperature.
Test Methods and Remarks	Apply 14700m/s^2 for 0.5ms 5 times for each of 6 directions. according to IEC68-2-27(JISC60068-2-27).
3. Vibration	
Specified Value	After testing, meet the specified characteristics at a room temperature.
Test Methods and Remarks	With 1.5 mm of whole amplitude at 10 to 55 Hz of frequency, and 98m/s^2 of acceleration at 55 to 500Hz, apply a vibration for 2 hours for each of 3 directions, period is 15 minutes(10 to 500 to 10Hz)
4. Drop 1	
Specified Value	After testing, meet the specified characteristics at a room temperature.
Test Methods and Remarks	Drop 3 times onto concrete floor from the height of 1.0m.
5. Drop 2	
Specified Value	After testing, meet the specified characteristics at a room temperature.
Test Methods and Remarks	Drop with 150g weight 3 times in each 6 direction onto concrete floor from the height of 1.8m.
6. Temperature cycling	
Specified Value	After testing, meet the specified characteristics at a room temperature.
Test Methods and Remarks	Temp. range -40 to $+100^\circ\text{C}$. 500cycle.
7. Static humidity	
Specified Value	After testing, meet the specified characteristics at a room temperature.
Test Methods and Remarks	$+85^\circ\text{C}$, 90% to 95%RH, apply DC5V, 1000hours.
8. High temperature storage life	
Specified Value	After testing, meet the specified characteristics at a room temperature.
Test Methods and Remarks	$+100^\circ\text{C}$, 1000hours.
9. Low temperature storage life	
Specified Value	After testing, meet the specified characteristics at a room temperature.
Test Methods and Remarks	-40°C , 1000hours.

▶ This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification.
For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (<http://www.ty-top.com/>) .

10. High Temperature Bias	
Specified Value	After testing, meet the specified characteristics at a room temperature.
Test Methods and Remarks	+50°C, +29dBm, 50000hours.
11. Solderbility 1	
Specified Value	More than 90% of area of terminals to be covered with the solder. A change of the remarkable appearance do not have it.
Test Methods and Remarks	Lead-free Solder paste, Reflow;Peak temperature 245°C
12. Solderbility 2	
Specified Value	More than 90% of area of terminals to be covered with the solder. A change of the remarkable appearance do not have it.
Test Methods and Remarks	Sn-Pb Solder paste, Reflow;Peak temperature 235°C
13. Solder heat resistance	
Specified Value	After testing, meet the specified characteristics at a room temperature. A change of the remarkable appearance do not have it.
Test Methods and Remarks	◆Recommended temperature profile of reflow soldering Figure shows recommended temperature profile of reflow soldering in the case of lead-free solder alloy Sn3.0Ag0.5Cu. Suitable condition for solder heating is differed depending on composition and manufacturing method. Please contact to solder manufacturer for the details. Temperature (°C) Ambient temperature rise slope : 1~4°C/sec. Pre-Heating 150~180°C 50~110sec. 30~50sec. Temperature in heat condition : 230°Cmin. 50sec. max. Temperature of upper surface of package and PCB surface : 260°Cmin. 10sec. max. Ambient temperature cool slope : 1~4°C/sec. 10sec.

Mouser Electronics

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[F5QB881M5P2BG-J](#) [F6KA2G535L4AM-Z](#) [FAR-D5NA-881M50-P1A2-Z](#) [FAR-D5NC-881M50-M11A-Z](#) [FAR-D5NC-881M50-M11B-Z](#) [FAR-D5NE-740M00-P1C9-Z](#) [FAR-D5NE-881M50-P1A6QZ](#) [FAR-D5NE-881M50-P1A9-Z](#) [FAR-D5NF-942M50-P1GWQZ](#) [FAR-D5NF-942M50-P1GZ-Z](#) [FAR-D5NG-881M50-M11Z-Z](#) [FAR-D5NH-942M50-M1Y9-Z](#) [FAR-D5PE-881M50-P3EZ-Z](#) [FAR-D5pF-881M50-M3E7-Z](#) [FAR-D5pF-911M50-M3J7-Z](#) [FAR-D6JG-2G1400-D3FZ-Z](#) [FAR-D6JH-2G1325-B1YZ-Z](#) [FAR-D6JH-2G1400-B1BT-Z](#) [FAR-D6NF-1G9600-P1BT-Z](#) [FAR-D6NF-1G9600-P1BZ-Z](#) [FAR-D6NH-1G9600-M1Z6-Z](#) [FAR-D6NH-1G9600-M1Z9-Z](#) [FAR-F5KA-710M00-D4VQ-Z](#) [FAR-F5KA-782M00-D4VP-Z](#) [FAR-F5KA-836M50-D4CM-Z](#) [FAR-F5KA-836M50-D4DF-Z](#) [FAR-F5KA-881M50-D4DB-Z](#) [FAR-F5KA-897M50-D4DC-Z](#) [FAR-F5KB-836M50-B4ER-Z](#) [FAR-F5KB-859M00-B4EE-Z](#) [FAR-F5KY-740M00-B4UR-Z](#) [FAR-F5QA-915M00-M2AK-J](#) [FAR-F6KA-1G5754-L4AB-Z](#) [FAR-F6KA-1G5754-L4AJ-Z](#) [FAR-F6KA-1G7400-D4DE-Z](#) [FAR-F6KA-1G8800-L4AF-Z](#) [FAR-F6KA-1G9500-D4DG-Z](#) [FAR-F6KA-1G9600-D4DQ-Z](#) [FAR-F6KA-2G0175-D4DR-Z](#) [FAR-F6KB-1G9500-B4GJ-Z](#) [FAR-G5KK-911M50-D4KE-Z](#) [FAR-G5KL-911M50-D4XA-Z](#) [FAR-G5KL-911M50-D4XC-Z](#) [FAR-G6KZ-1G8425-Y4WY-Z](#) [FAR-G6KZ-1G8425-Y4WZ-Z](#) [F6KY1G960B4NF-Z](#) [FAR-F5KY-751M00-B4UQ-Z](#) [FAR-F6KA-2G1400-D4DW-Z](#) [FAR-F6KA-1G5859-D4MS-Z](#) [D6PE1G960P3BP-Z](#) [D6PF1G960M3B6-Z](#) [F6QG2G140P2KA-J](#) [D5NL881M5P1HY-Z](#)
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