

Drop-in circulators / isolators

Carrier type isolators (2.7 to 31GHz)

Specifications

Part No.	Frequency range (GHz)	Isolation (dB)min.	Insertion loss (dB)max.	Reflection loss (dB)min.	V.S.W.R. (50Ω)max.	Handling power (W.CW)	Power absorption (W.CW)	Operating temp. range (°C)	Carrier shape No.	Document No. MW-C-○○○
CK-□ 02802△801	2.7~2.9	18	0.7	19	1.25	10	2	-10~+60	80	134
CK-□ 03103△802	2.9~3.2	18	0.5	19	1.25	10	2	-10~+60	80	135
CK-□ 03501△701	3.4~3.5	20	0.4	21	1.2	10	2	-10~+60	70	094
CK-□ 03906△701	3.6~4.2	20	0.4	21	1.2	10	2	-10~+60	70	030
CK-□P03906△701	3.6~4.2	20	0.4	21	1.2	10	10	-10~+60	70	068
CK-□ 04708△701	4.3~5.1	20	0.4	21	1.2	10	2	-10~+60	70	038
CK-□P04708△701	4.3~5.1	20	0.4	21	1.2	20	10	-10~+60	70	086
CK-□ 05509△701	5.0~5.9	20	0.4	21	1.2	10	2	-10~+60	70	033
CK-□P05509△701	5.0~5.9	20	0.4	21	1.2	20	10	-10~+60	70	074
CK-□ 06514△611	5.8~7.2	20	0.4	21	1.2	10	2	-10~+60	61	031
CK-□P06514△611	5.8~7.2	20	0.4	21	1.2	20	10	-10~+60	61	069
CK-□ 06514△701	5.8~7.2	20	0.4	21	1.2	10	2	-10~+60	70	117
CK-□ 07013△611	6.3~7.6	20	0.4	21	1.2	10	2	-10~+60	61	035
CK-□P07013△611	6.3~7.6	20	0.4	21	1.2	20	10	-10~+60	61	082
CK-□ 07915△611	7.1~8.6	20	0.4	21	1.2	10	2	-10~+60	61	036
CK-□P07915△611	7.1~8.6	20	0.4	21	1.2	20	10	-10~+60	61	070
CK-□ 07915△701	7.1~8.6	20	0.4	21	1.2	10	2	-10~+60	70	118
CK-□ 10040△511	8.0~12.0	16	0.6	15.5	1.4	10	2	-20~+80	51	058
CK-□ 09623△511	8.4~10.7	18	0.5	19	1.25	10	2	-10~+60	51	037
CK-□ 09505△521	9.25~9.75	15	0.8	14	1.5	1	0.1	-10~+50	52	072
CK-□ 11825△402	10.5~13.0	18	0.5	19	1.25	1	0.25	-30~+70	40	025
CK-□ 11825△411	10.5~13.0	18	0.5	19	1.25	5	1	-30~+70	41	075
CK-□P11825△411	10.5~13.0	18	0.5	19	1.25	10	5	-30~+70	41	083
CK-□ 11825△441	10.5~13.0	18	0.5	19	1.25	1	0.25	-15~+70	44	128
CK-□ 13128△402	11.7~14.5	18	0.5	19	1.25	1	0.25	-30~+70	40	027
CK-□ 13128△411	11.7~14.5	18	0.5	19	1.25	5	1	-30~+70	41	024
CK-□P13128△411	11.7~14.5	18	0.5	19	1.25	10	5	-30~+70	41	084
CK-□ 13128△441	11.7~14.5	18	0.5	19	1.25	1	0.25	-30~+70	44	106
CK-□ 14520△402	13.5~15.5	18	0.5	19	1.25	1	0.25	-30~+70	40	077
CK-□ 14520△411	13.5~15.5	18	0.5	19	1.25	5	1	-30~+70	41	081
CK-□P14520△411	13.5~15.5	18	0.5	19	1.25	10	5	-30~+70	41	085
CK-□ 14520△441	13.5~15.5	18	0.5	19	1.25	1	0.25	-30~+70	44	127
CK-□ 18030△311	16.5~19.5	17	0.8	17	1.33	5	1	-30~+70	31	067
CK-□ 18524△313	17.3~19.7	17	0.8	17	1.33	5	1	-30~+70	31	099
CK-□ 19535△211	17.7~21.2	17	0.8	17	1.33	5	1	-30~+70	21	098
CK-□ 19535△311	17.7~21.2	17	0.8	17	1.33	5	1	-30~+70	31	022
CK-□ 22730△211	21.2~24.2	17	0.8	17	1.33	5	1	-30~+70	21	057
CK-□ 26030△211 ^{*1}	24.5~27.5	17	0.8	17	1.33	5	1	-30~+70	21	097
CK-□ 29040△211 ^{*1}	27.0~31.0	17	1.5	17	1.33	5	1	-30~+70	21	078

Remarks □ : Rotational direction △ : D = Without tab, H = With silver-plated copper tab, M = With pure-gold tab

*1 tab : H type not available

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Shapes and dimensions

Carrier shapes [Unit : mm]	Shape 80	Shape 70	Shape 61
Carrier thickness	1.2	1.2	1.2
Terminal height	2.2	2.2 ^{*1}	1.85
Mounted height	6.0max.	6.0max.	5.5max.

Carrier shapes [Unit : mm]	Shape 52	Shape 51	Shape 44
Carrier thickness	1.0	1.0	0.3
Terminal height	1.65	1.65	1.0
Mounted height	4.0max.	5.5max.	5.0max.

Carrier shapes [Unit : mm]	Shape 41	Shape 40	Shape 31	Shape 21
Carrier thickness	1.0	1.0	1.2	1.2
Terminal height	1.65	1.65	1.6	1.6 ^{*2}
Mounted height	5.5max.	5.5max.	4.3max.	5.0max.

* 1 : The terminal height of CK-□05509△701 is 1.85mm. * 2 : The terminal height of CK-□26030△211, CK-□29040△211 is 1.47mm.