

No. DF-E04-0074

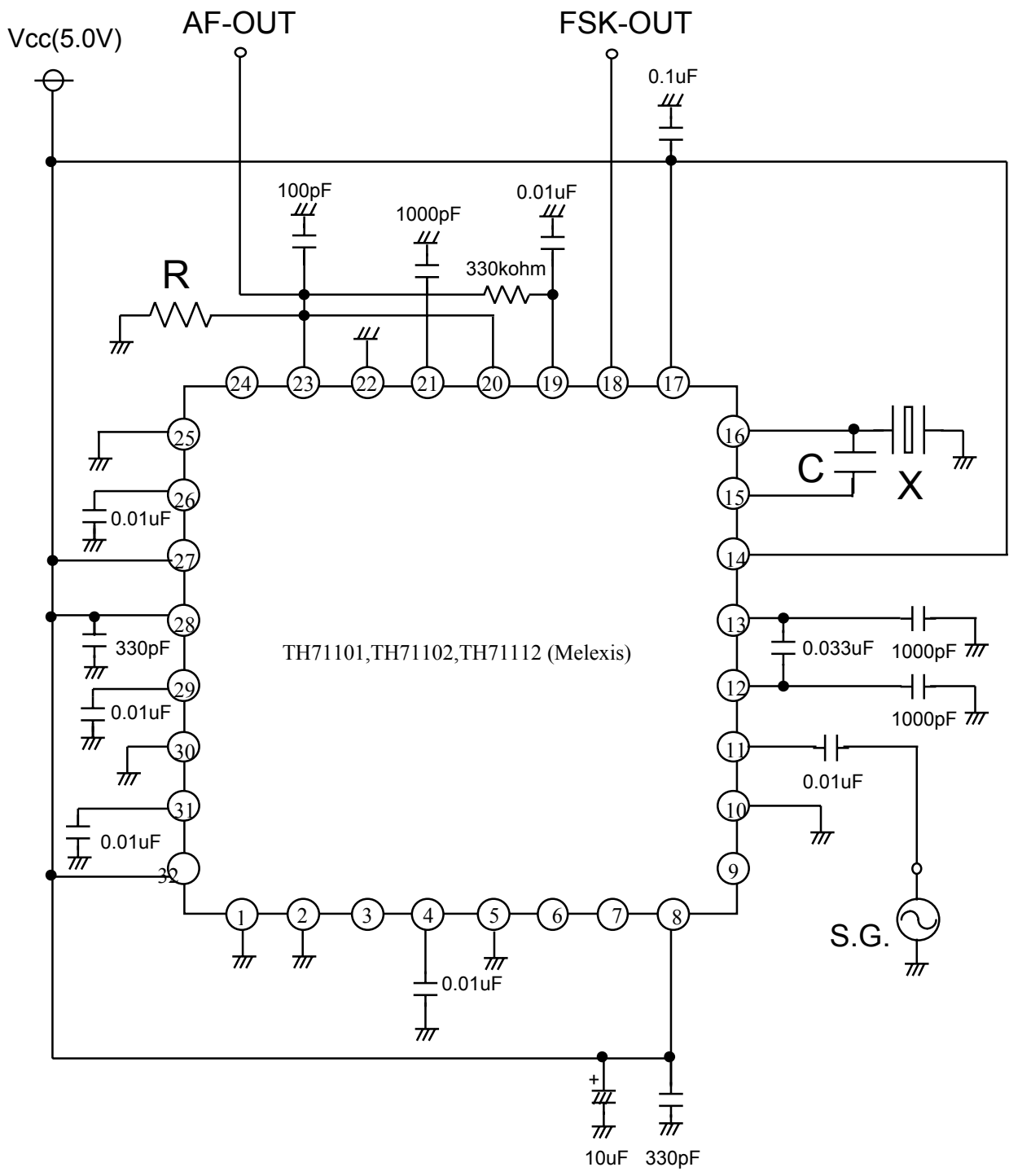
DATE: Jun,9.2004

Messrs:

TYPE: CDSCB10M7GA135-R0

IC : TH71101/TH71102/TH71112

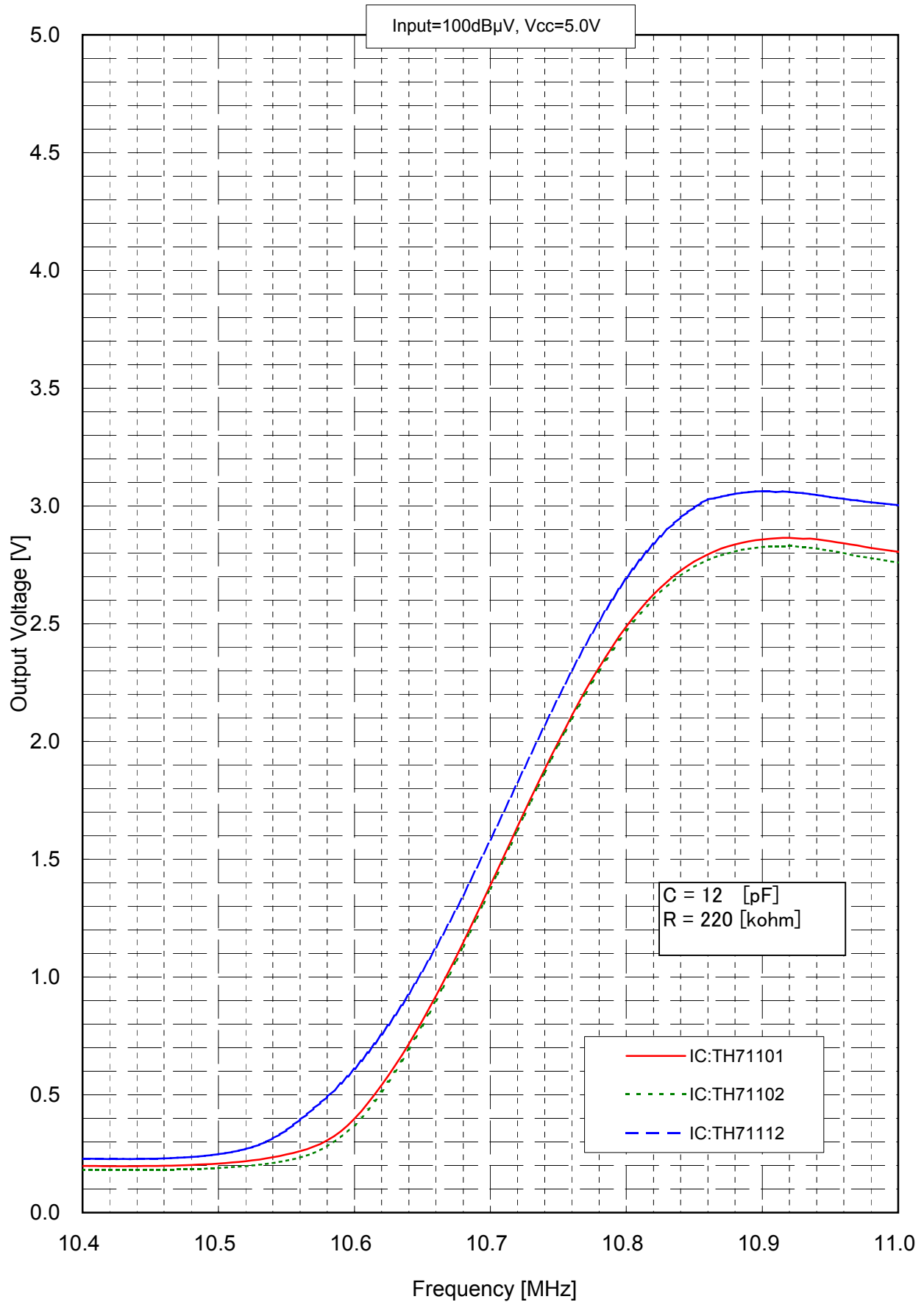
Product Engineering Service Section
Planning & Market Promotion Department
Component Division II



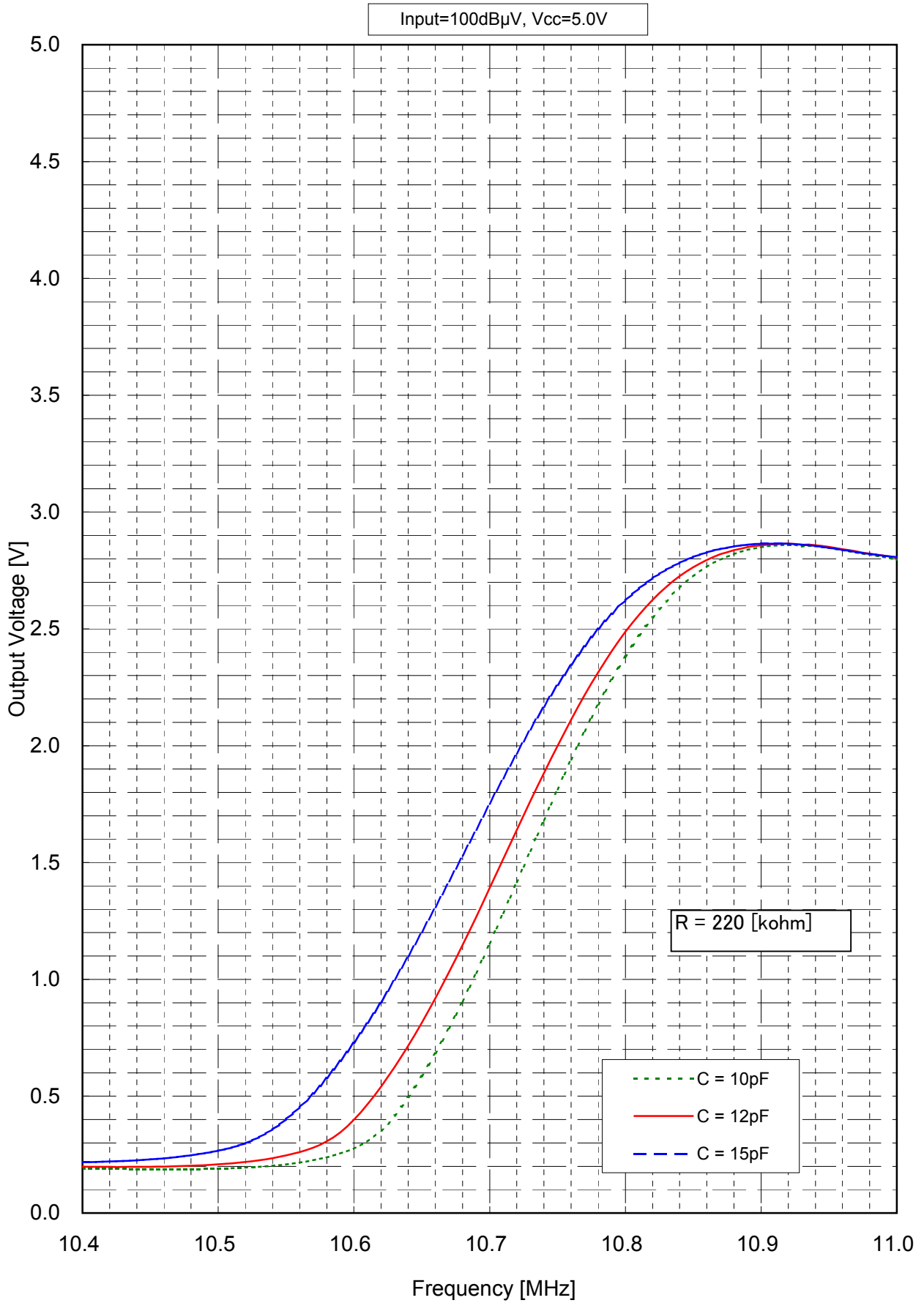
X = CDSCB10M7GA135-R0
C = 12pF
R = 220kohm

Fig1. TEST CIRCUIT

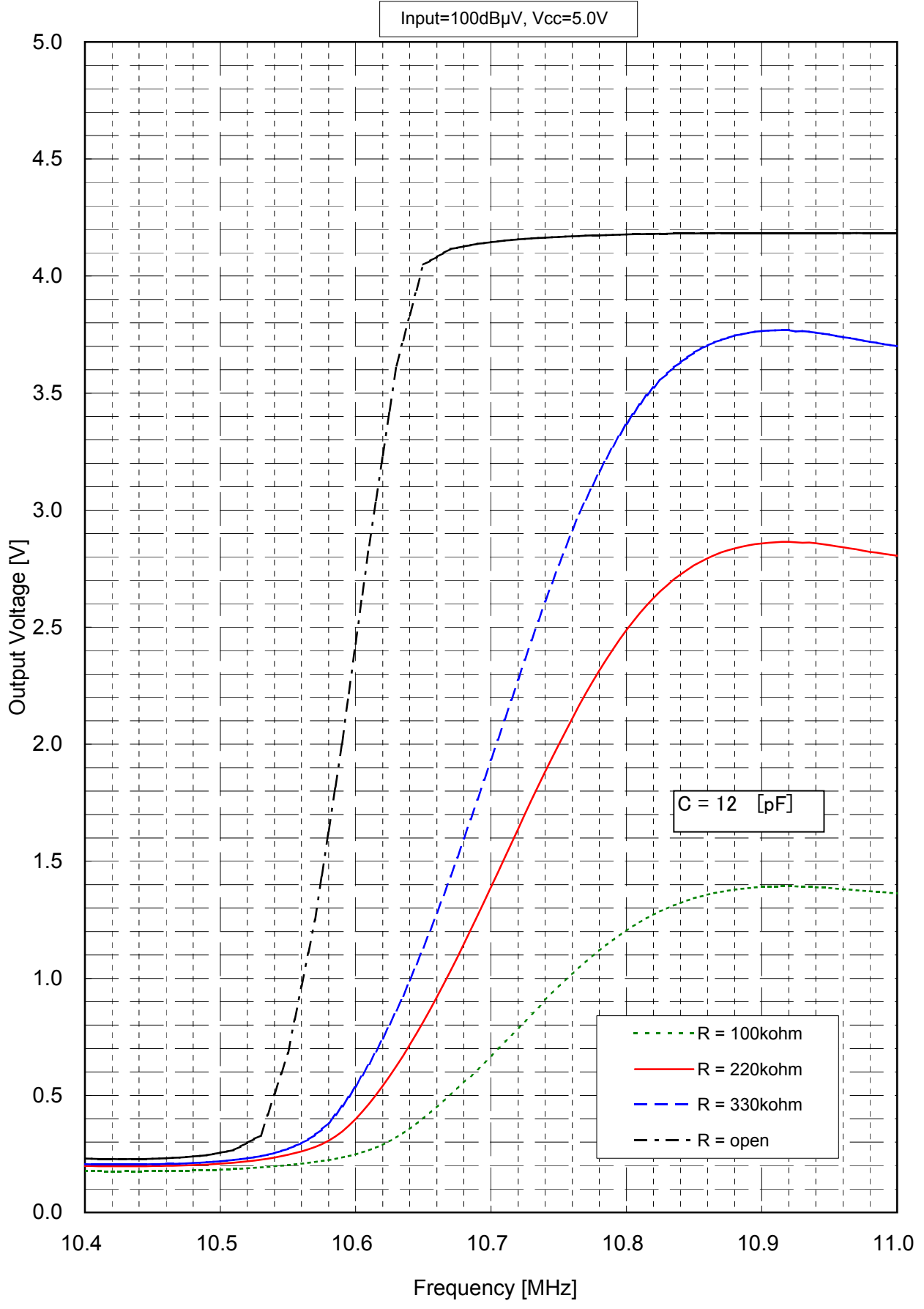
F - V Characteristics
Type : CDSCB10M7GA135-R0 with TH71101,TH71102,TH71112



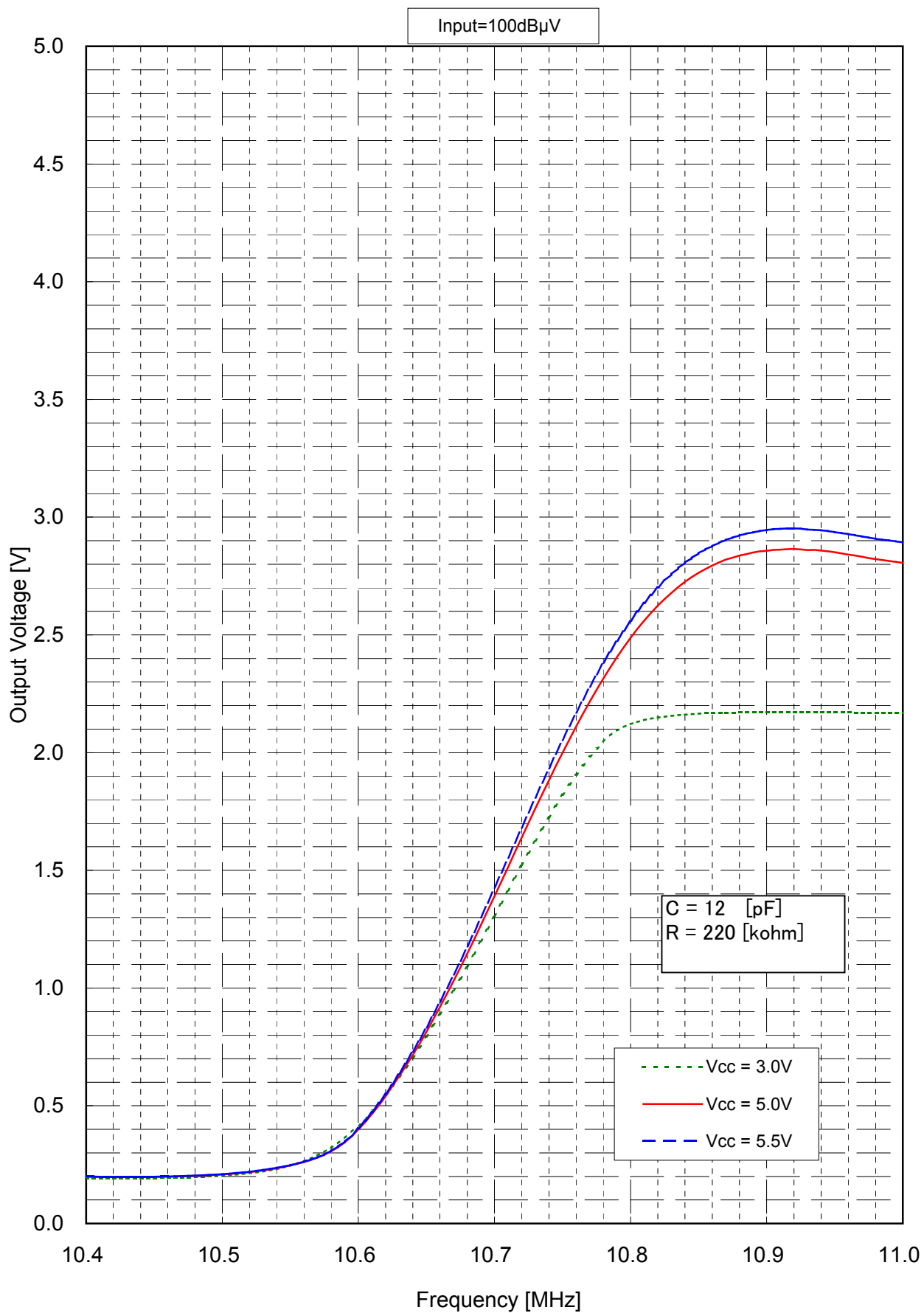
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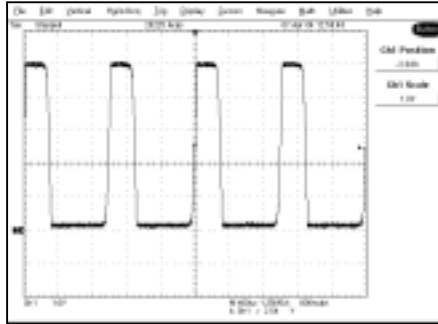


FSK Characteristics(FSK OUT)
Type : CDSCB10M7GA135-R0 with

Input=100dB μ V, Fdev.= \pm 50kHz, Fmod.=1kHz, Vcc=5.0V
C = 12pF, R = 220kohm

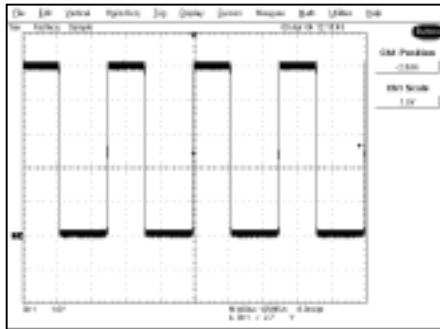
①F= 10.450MHz

Min



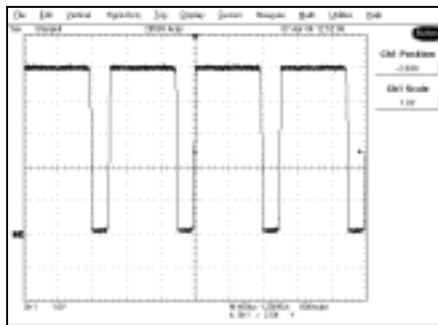
②F= 10.700MHz

Center



③F= 10.905MHz

Max



FSK Characteristics(FSK OUT)
Type : CDSCB10M7GA135-R0 with

Input=100dB μ V
C = 12pF, R = 220kohm

IC	Vcc [V]	Fdev. [kHz]	Fmod. [kHz]	FSK frequency range			FSK band width		
				Min [MHz]	Fo [MHz]	Max [MHz]	Fo -Min [kHz]	Max -Fo [kHz]	All [kHz]
TH71101	3	± 50	1	10.450	10.700	10.855	250	155	405
	5	± 50	1	10.450	10.700	10.905	250	205	455
	5.5	± 50	1	10.450	10.700	10.910	250	210	460
	5	± 10	1	10.520	10.700	10.820	180	120	300
	5	± 20	1	10.485	10.700	10.865	215	165	380
	5	± 50	1	10.450	10.700	10.905	250	205	455
	5	± 100	1	10.450	10.700	10.915	250	215	465
	5	± 50	0.4	10.450	10.700	10.905	250	205	455
	5	± 50	1	10.450	10.700	10.905	250	205	455
	5	± 50	5	10.455	10.700	10.895	245	195	440
5	± 50	10	10.460	10.700	10.895	240	195	435	
TH71102	3	± 50	1	10.460	10.700	10.860	240	160	400
	5	± 50	1	10.460	10.700	10.890	240	190	430
	5.5	± 50	1	10.460	10.700	10.895	240	195	435
	5	± 10	1	10.540	10.700	10.805	160	105	265
	5	± 20	1	10.505	10.700	10.850	195	150	345
	5	± 50	1	10.460	10.700	10.890	240	190	430
	5	± 100	1	10.440	10.700	10.895	260	195	455
	5	± 50	0.4	10.460	10.700	10.890	240	190	430
	5	± 50	1	10.460	10.700	10.890	240	190	430
	5	± 50	5	10.470	10.700	10.890	230	190	420
5	± 50	10	10.475	10.700	10.880	225	180	405	
TH71112	3	± 50	1	10.450	10.700	10.835	250	135	385
	5	± 50	1	10.450	10.700	10.905	250	205	455
	5.5	± 50	1	10.450	10.700	10.910	250	210	460
	5	± 10	1	10.525	10.700	10.820	175	120	295
	5	± 20	1	10.485	10.700	10.860	215	160	375
	5	± 50	1	10.450	10.700	10.905	250	205	455
	5	± 100	1	10.445	10.700	10.925	255	225	480
	5	± 50	0.4	10.450	10.700	10.905	250	205	455
	5	± 50	1	10.450	10.700	10.905	250	205	455
	5	± 50	5	10.455	10.700	10.905	245	205	450
5	± 50	10	10.460	10.700	10.900	240	200	440	