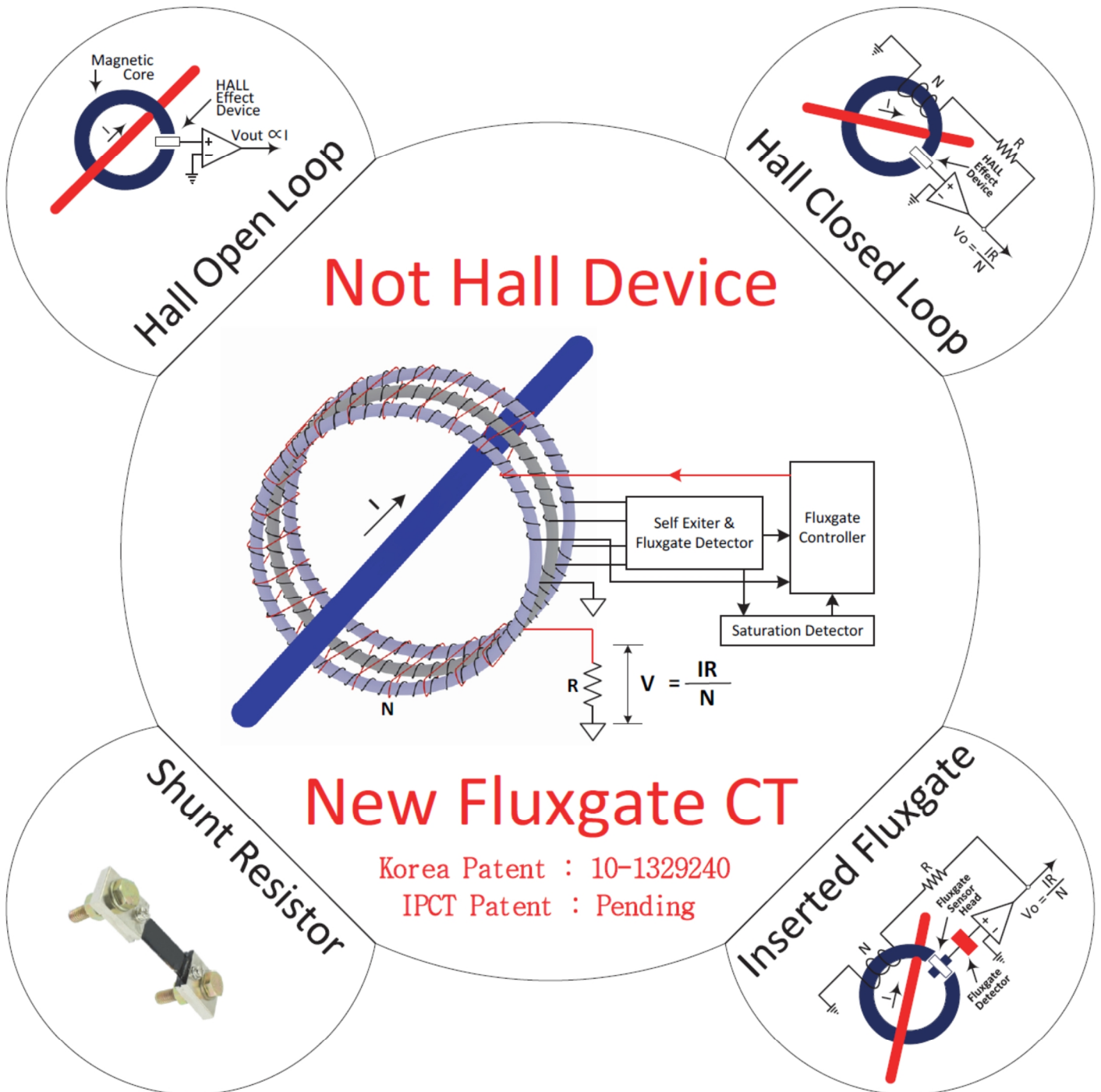


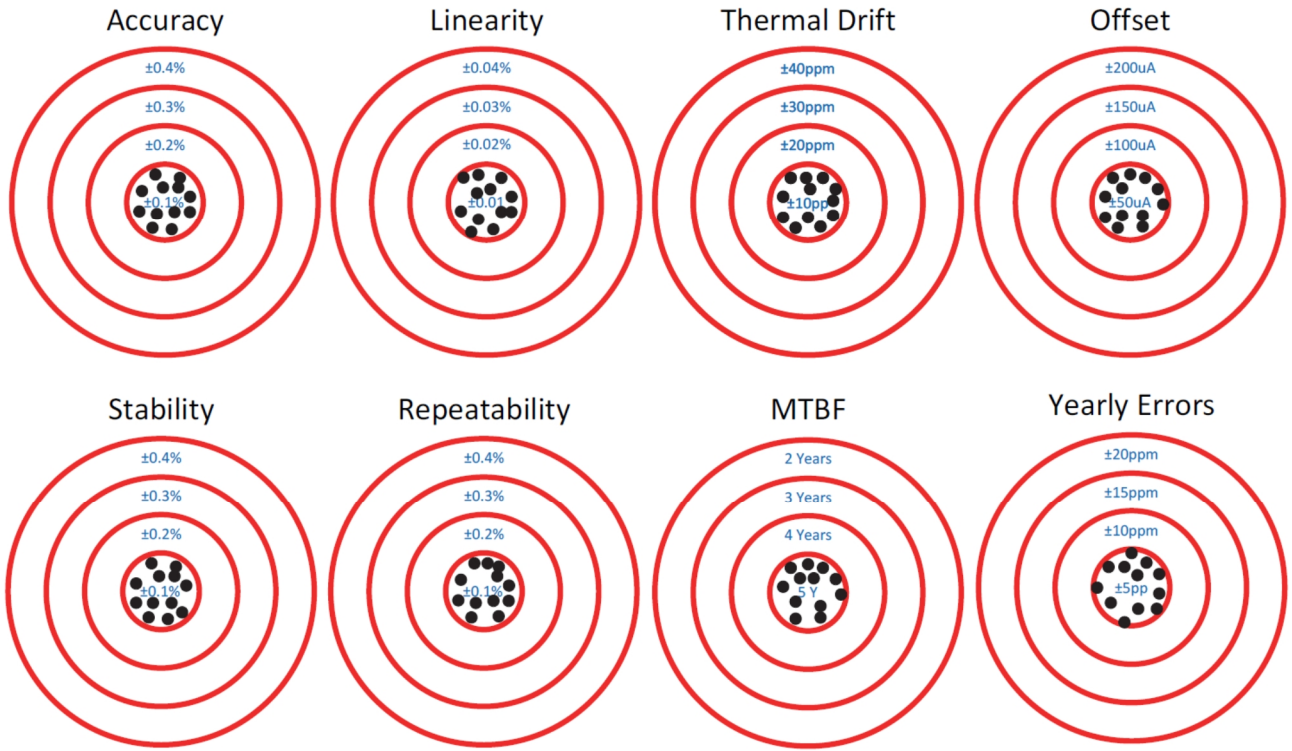
Why is the Current Sensor NFCT ?

(NFCT : New Fluxgate Current Transducer)

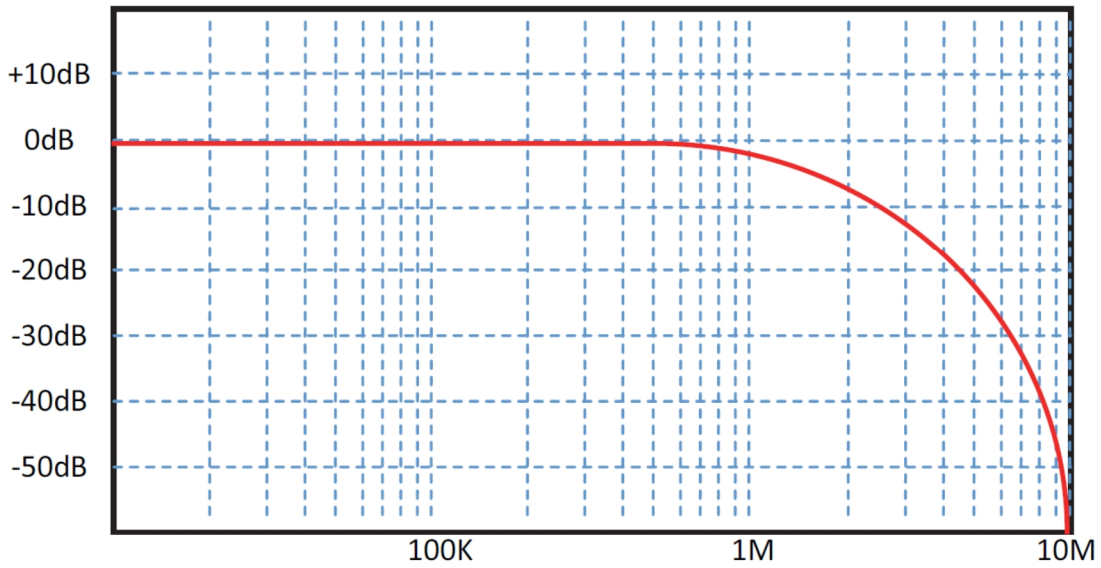
The NFCT is exactly what you need !



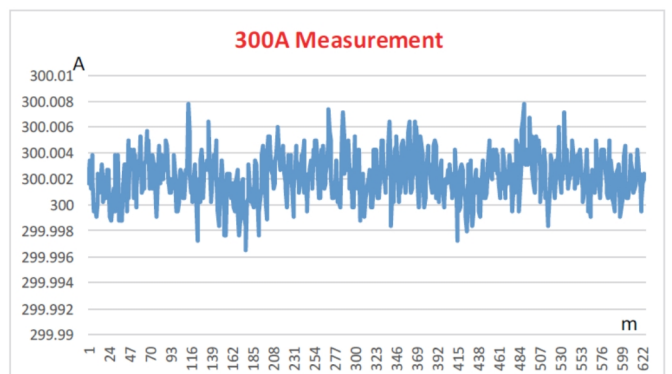
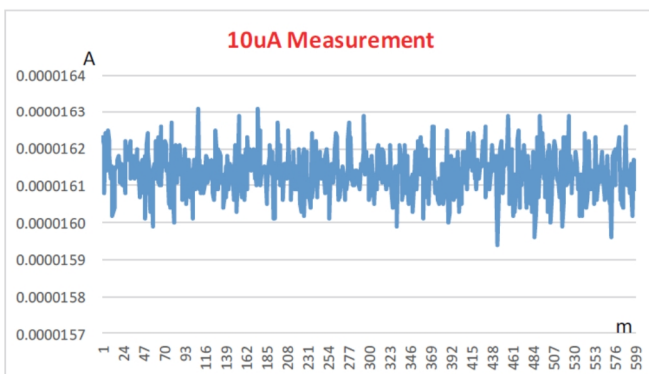
1. New Fluxgate 전류센서 특성



Frequency Response Time



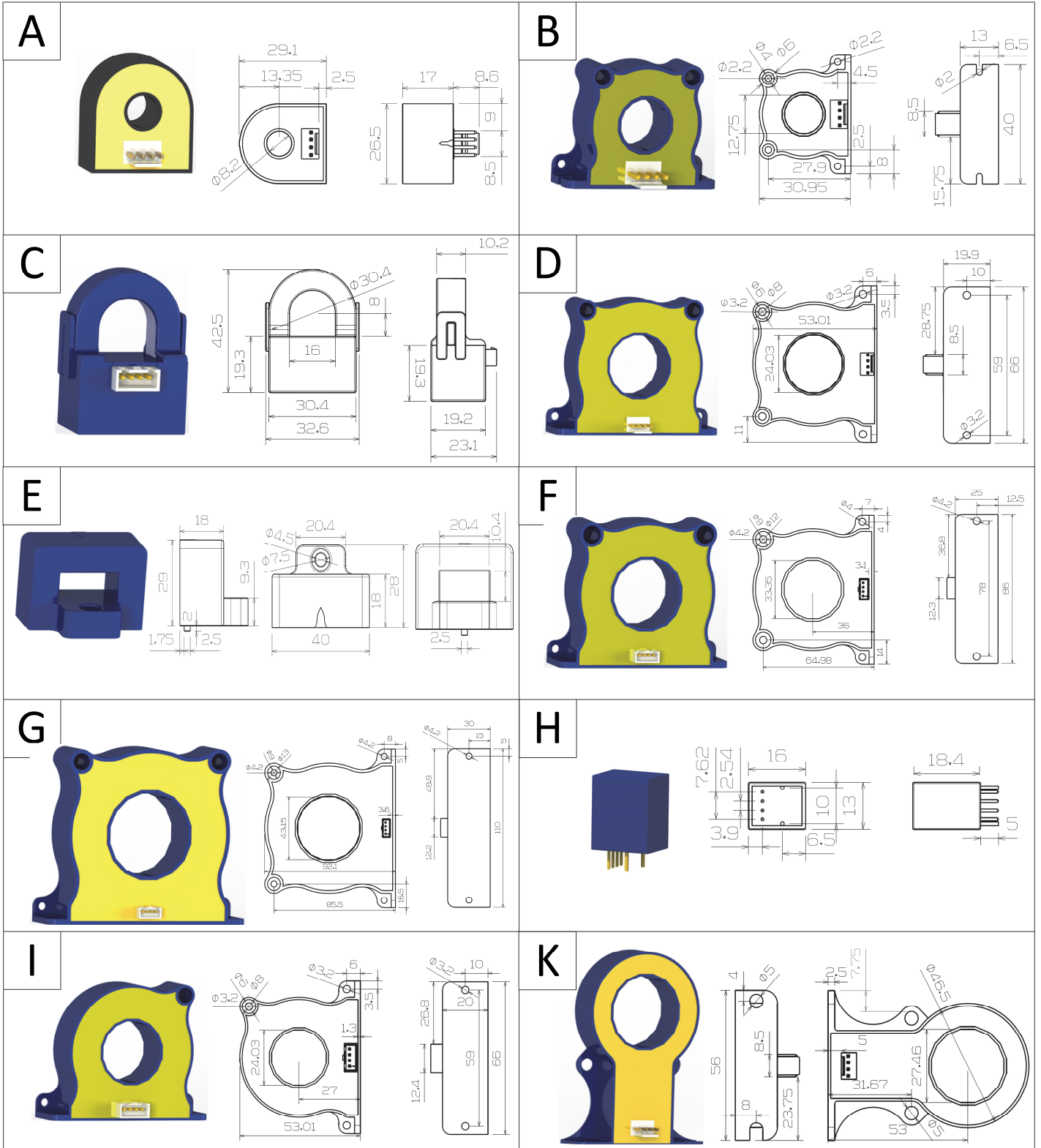
2. Real Measurement Data



3. Products Selection Guide

Nominal Primary Current (A r.m.s)	Power Supply		Case Type	Connection Type	Turn Number (T)	Measuring range (A)	Measuring Resistor (Ω)	Secondary current (A)	Secondary Resistor (Ω)	Offset Current (A)	Bandwidth (KHz)	Accuracy (%)	Linearity (%)	Operating Temp (°C)	
	+Vdc	-Vdc													
0.3	+9~+18	-9~-18	A	M	250	1	2K	0.001	≤25	≤80	100 ~ 500	F D B A	F D B A	C I A M	
	+5	0					225								
5	+9~+18	-9~-18			300	10	300	30	0.017						≤30
	+5	0													
10	+9~+18	-9~-18			500	20	240	15	0.02						≤35
	+5	0													
25	+9~+18	-9~-18		500	40	140	5	0.05	≤35						
	+5	0													
55	+9~+18	-9~-18		1000	70	150	5	0.055	≤45						
	+5	0													
120	+9~+18	-9~-18		1500	150	20	3	0.08	≤120						
	+5	0													
150	+9~+18	-9~-18		B	M	2000	200A	40	0.075						≤100
	+5	0		Y											
300	+9~+18	-9~-18	D	M	2000	450	30	0.15	≤15						
	+5	0		Y											
300	+5	0	I	M,Y	2000	450	2.5	0.15	≤15						
500	+15~+18	-15~-18	F	M,Y	2000	650	5	0.25	≤15						
1000	+15~+18	-15~-18	G	M,Y	2000	1200	2	0.5	≤21						
2000	+15~+18	-15~-18	L	M,Y	4000	2400	2	0.5	≤50						
5000	+15~+24	-15~-24	M	N	Configure to order										
10000	+15~+24	-15~-24	N	N											
100	+9~+18	-9~-18	C	Y	1000	150	5	0.1	≤35	≤80	100 ~ 500	F D B A	F D B A	C I A M	
	+5	0				110	1.2								
300	+9~+18	-9~-18	E	M,Y	1000	450	30	0.3	≤15						
	+5	0				300	2.5								
300	+9~+18	-9~-18	K	M,Y	1000	400	30	0.3	≤20						
	+5	0				300	2.5								
0.5	+9~+18	-9~-18	H	P	250	1	2K	0.002	≤25						
	+5	0					225								
10	+9~+18	-9~-18			500	20	240	15	0.02						≤35
	+5	0													
25	+9~+18	-9~-18			500	40	140	5	0.05						≤35
	+5	0													
50	+9~+18	-9~-18			1000	70	150	5	0.05						≤45
	+5	0													

4. Case Type



5. Products List

Products Code: NF XXXX XXX X X XXXX X X

Current Capacity	Input Power	Case Type	Connector Type	Turn Number	Tolerance	TEMP SPEC
0A01 : 10mA	U05 : + 5V	A : 100A, 8mm	M : Molex 5045	100T : 100Turn	F : ± 1%	C : Commercial
0A30 : 250mA	B05 : ± 5V	B : 150A, 10mm	N : Molex 53259	250T : 250Turn	D : ± 0.5%	I : Industry
3A00 : 3A	U12 : + 12V	C : Clamp, 15mm	P : PCB Pin	300T : 300Turn	B : ± 0.1%	A : Automotive
20A0 : 20A	U15 : + 15V	D : 300A, 24mm	Y : Yeon Ho	500T : 500Turn	A : ± 0.05%	M : Military
50A0 : 50A	B15 : ± 15V	E : 300A, 10x20mm		1T0K : 1000Turn	T : ± 0.01%	
100A : 100A	U24 : + 24V	F : 500A, 32mm		1T0K : 1500Turn		
150A : 150A	B24 : ± 24V	G : 1000A, 42mm		2T0K : 2000Turn		
300A : 300A		H : 50A, 13x16x19		2T0K : 2500Turn		
500A : 500A		I : 300A, 24mm		3T0K : 3000Turn		
1A0K : 1000A		J : 300A, 24mm		4T0K : 4000Turn		
2A0K : 2000A		K : 300A, 24mm				
2A0K : 2500A						
5A0K : 5000A						
100K : 100KA						

Current Product Families

NF0A25U05AP250TBI	NF150AB15AP2T0KBI	NF300AU05DY1T0KBA
NF0A25U05AY250TBI	NF150AB15AY2T0KBI	NF300AU05DM1T0KBA
	NF150AB15AM2T0KBI	
NF3A00U05AP300TBI	NF50A0B15AP1T0KBI	NF300AU05DY2T0KBI
NF3A00U05AY300TBI	NF50A0B15AY1T0KBI	NF300AU05DM2T0KBI
	NF50A0B15AM1T0KBI	
NF20A0U05AP500TBI		NF100AU05CY1T0KBI
NF20A0U05AY500TBI		NF100AU05CM1T0KBI
	NF300AU12DY2T0KBI	
NF50A0U05AP1T0KBI	NF300AU12DM2T0KBI	
NF50A0U05AY1T0KBI		
	NF300AU12DY4T0KBA	
NF100AU05AP1T5KBI	NF300AU12DM4T0KBA	
NF100AU05AY1T5KBI		