

SPECIFICATION OF BSF□□□BNRM SERIES

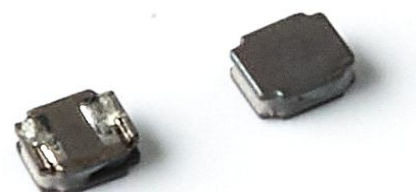
FEATURES

1. Low profile construction and miniature size.
2. Magnetic shielded construction.
3. High current saturation.
4. For new generation portable product D/D converter unit.



APPLICATIONS

DVD、DSC、PDA、LCD display、
Smart phones、HDD、etc.



ORDERING CODE

BSF2512BNRM R47 M T
(1) (2) (3) (4)

- (1) PRODUCT TYPE CODE AND SIZE CODE
(2) INDUCTANCE
(3) INDUCTANCE TOLERANCE (M : $\pm 20\%$, N : $\pm 30\%$)
(4) REEL TAPING

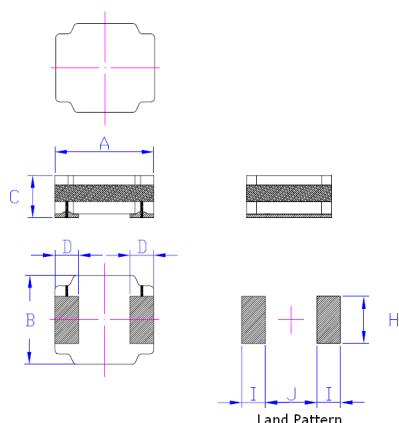


FIG 1

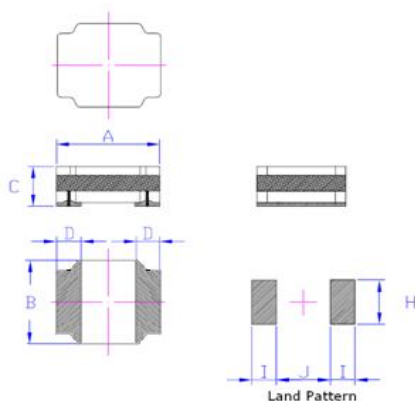


FIG 2

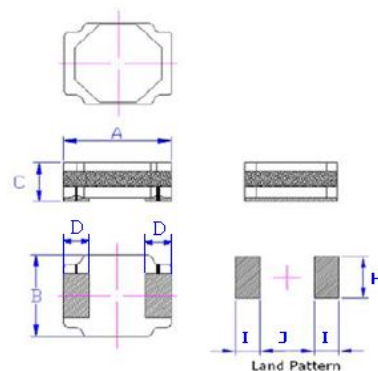


FIG 3

SHAPE & DIMENSIONS

SIZE CODE	A mm	B mm	C mm	D mm	H	I	J	FIG		
BSF2010BNRM	2.0 $\pm$ 0.2	1.6 $\pm$ 0.2	1.05max	0.6 $\pm$ 0.2	1.10	1.00	0.90	1		
BSF2512BNRM	2.5 $\pm$ 0.2	2.1 $\pm$ 0.2	1.25max	0.85 $\pm$ 0.20	1.40	0.95	0.90	1		
BSF3015BNRM	3.0 $\pm$ 0.2	3.0 $\pm$ 0.2	1.55max	0.9 $\pm$ 0.2	2.90	1.00	1.20	2		
BSF6030BNRM	6.0 $\pm$ 0.2	6.0 $\pm$ 0.2	3.0 $\pm$ 0.2	1.9 $\pm$ 0.3	5.70	2.00	2.00	3		

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SMD POWER INDUCTORS → BSF2010BNRM SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	DC Resistance (m Ω)max	SRF(MHz) min	Isat (A)max	IDC (A)max
BSF2010BNRMR22MT	0.22	24	115	7.00	4.50
BSF2010BNRMR33MT	0.33	34	90	5.00	3.50
BSF2010BNRMR47MT	0.47	57	70	3.30	2.40
BSF2010BNRMR68MT	0.68	66	55	2.80	2.30
BSF2010BNRMR82MT	0.82	85	45	2.50	2.10
BSF2010BNRM1R0MT	1.00	90	40	2.30	2.10
BSF2010BNRM1R2MT	1.20	100	35	2.20	1.60
BSF2010BNRM1R5MT	1.50	148	35	1.90	1.50
BSF2010BNRM1R8MT	1.80	170	30	1.70	1.40
BSF2010BNRM2R2MT	2.20	185	30	1.60	1.40
BSF2010BNRM3R3MT	3.30	290	20	1.30	1.00
BSF2010BNRM4R7MT	4.70	350	20	1.10	0.90
BSF2010BNRM6R8MT	6.80	470	20	0.95	0.88
BSF2010BNRM100MT	10.00	850	20	0.80	0.77
BSF2010BNRM150MT	15.00	1400	7.0	0.60	0.46

※Test Frequency: 1MHz/0.1V

※Tolerance: M $\pm$ 20%

※Isat:Based on Inductance decrease 30%

※IDC:Based on Temperature increase 40°C

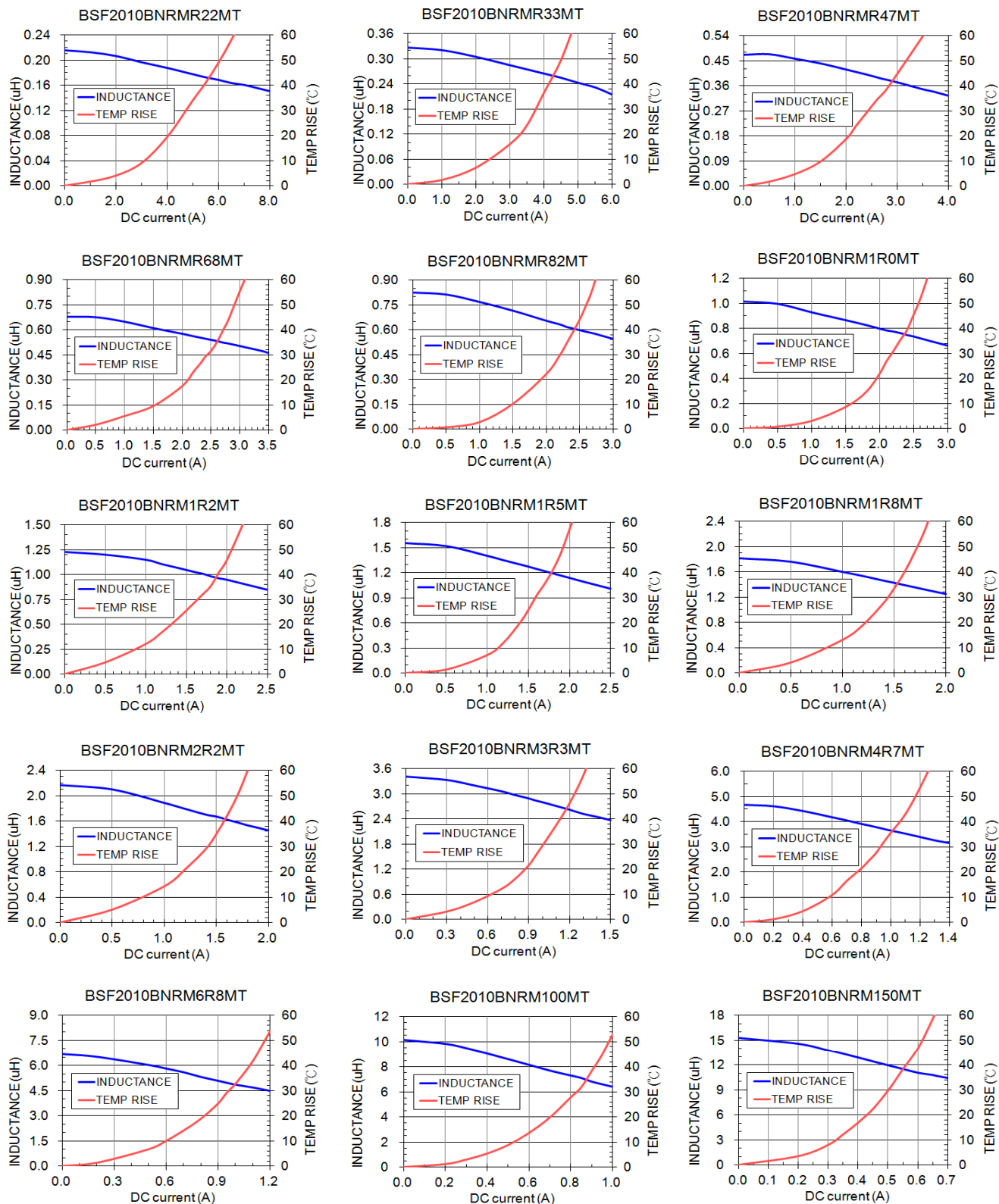
※Operating temperature range : -40 to +125°C (including self-heating)

※Storage Temp. : -40°C T0+85°C

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SMD POWER INDUCTORS → BSF2010BNRM SERIES

ELECTRICAL CHARACTERISTIC



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SMD POWER INDUCTORS → BSF2512BNRM SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	DC Resistance (m Ω)max	SRF(MHz) min	Isat (A)max	IDC (A)max
BSF2512BNRMR20MT	0.20	24	120	7.00	4.20
BSF2512BNRMR33MT	0.33	28	85	5.70	3.80
BSF2512BNRMR47MT	0.47	34	80	4.50	3.60
BSF2512BNRMR68MT	0.68	43	70	4.10	3.60
BSF2512BNRM1R0MT	1.00	55	55	3.50	3.20
BSF2512BNRM1R2MT	1.20	56	40	3.00	3.10
BSF2512BNRM1R5MT	1.50	70	40	2.70	2.50
BSF2512BNRM2R2MT	2.20	95	35	2.30	2.10
BSF2512BNRM3R3MT	3.30	150	25	1.70	1.70
BSF2512BNRM4R7MT	4.70	230	20	1.40	1.40
BSF2512BNRM6R8MT	6.80	350	15	1.30	1.20
BSF2512BNRM100MT	10.00	450	15	1.00	1.00
BSF2512BNRM150MT	15.00	620	10	0.80	0.70
BSF2512BNRM220MT	22.00	790	7	0.65	0.65

※Test Frequency: 1MHz/0.1V

※Tolerance: M $\pm$ 20%

※Isat:Based on Inductance decrease 30%

※IDC:Based on Temperature increase 40℃

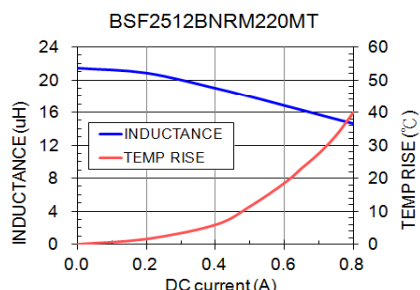
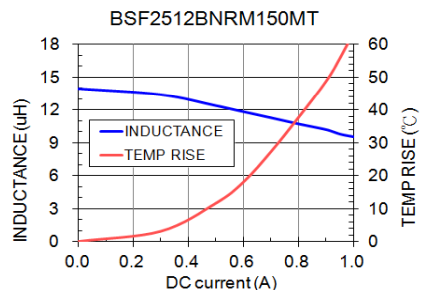
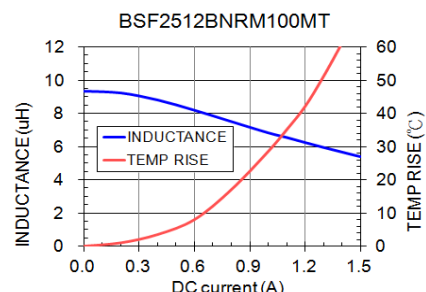
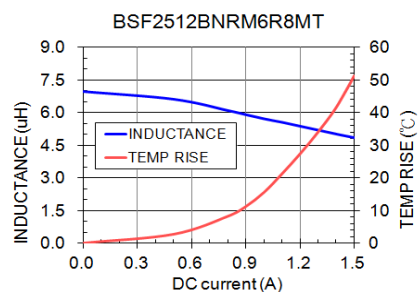
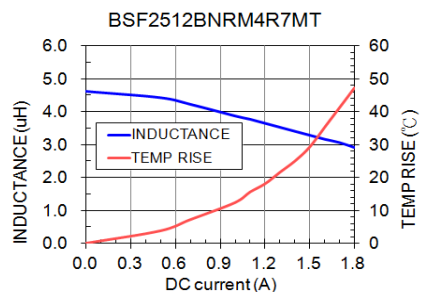
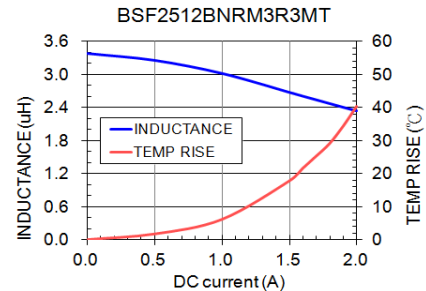
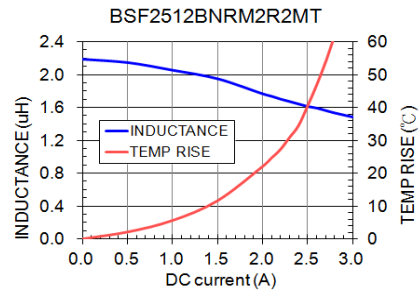
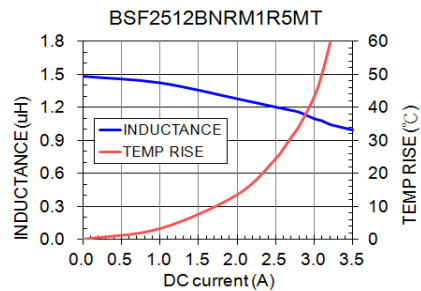
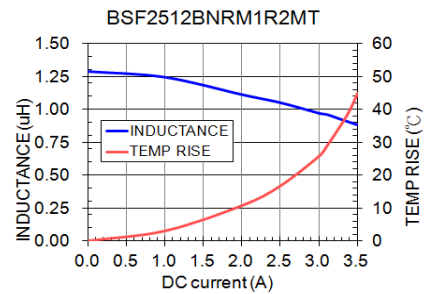
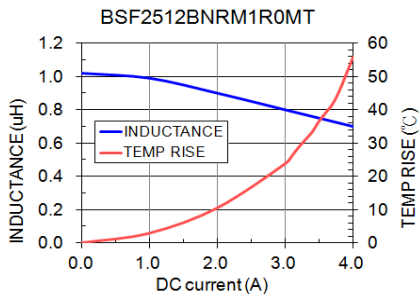
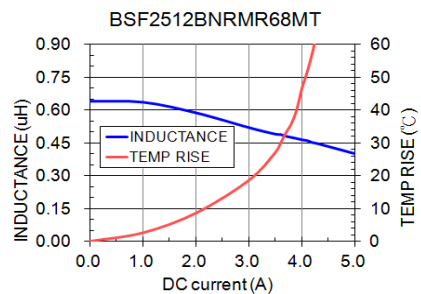
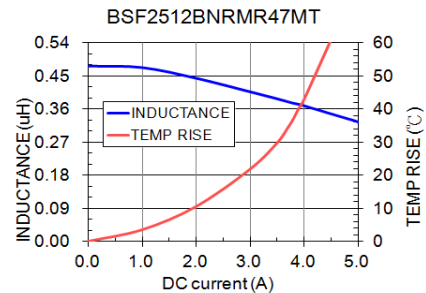
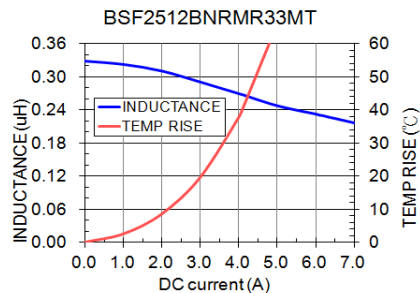
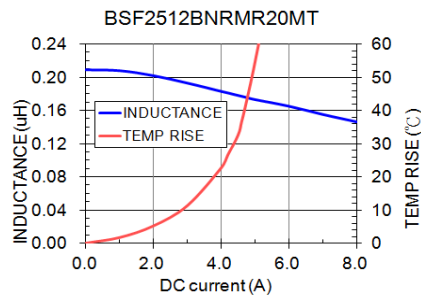
※Operating temperature range : -40 to +125℃ (including self-heating)

※Storage Temp. : -40℃ T0+85℃

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SMD POWER INDUCTORS → BSF2512BNRM SERIES

ELECTRICAL CHARACTERISTIC

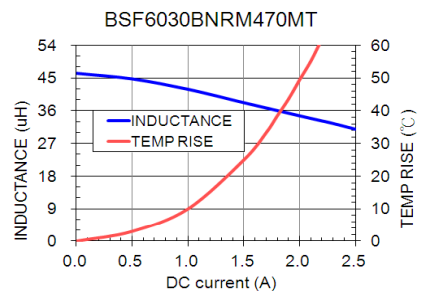
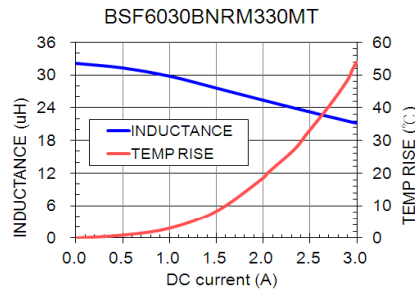
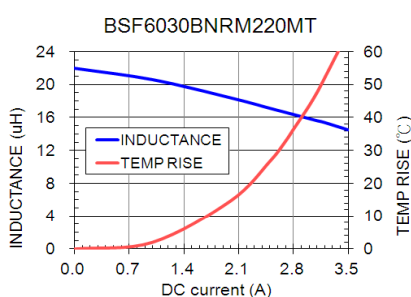
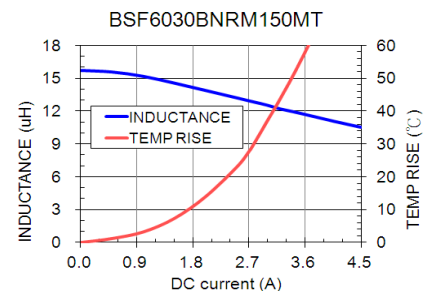
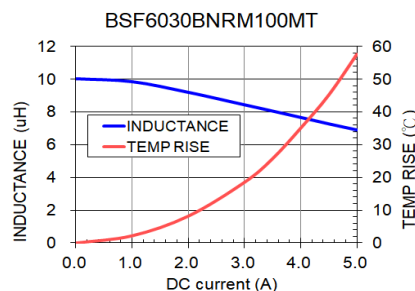
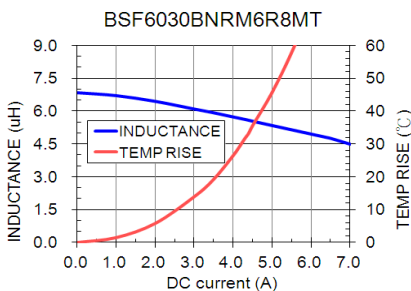
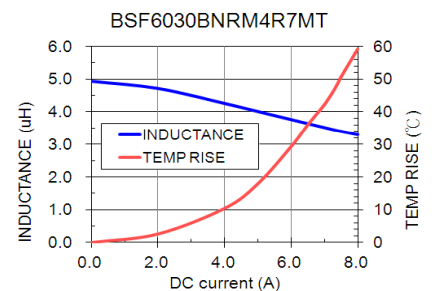
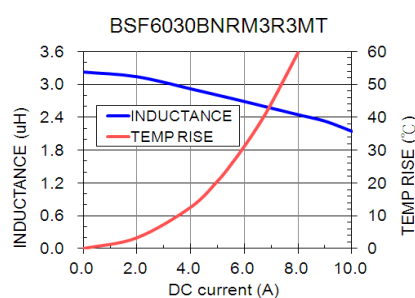
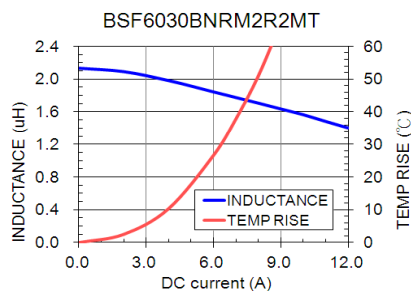


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SMD POWER INDUCTORS → BSF6030BNRM SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	DC Resistance (m Ω)max	SRF(MHz) min	Isat (A)Typ	IDC (A)Typ
BSF6030BNRM2R2MT	2.20	27	20	10.3	7.20
BSF6030BNRM3R3MT	3.30	35	20	9.00	6.80
BSF6030BNRM4R7MT	4.70	45	15	7.20	6.60
BSF6030BNRM6R8MT	6.80	65	13	6.40	4.60
BSF6030BNRM100MT	10.0	82	7	4.80	4.10
BSF6030BNRM150MT	15.0	150	7	4.00	3.00
BSF6030BNRM220MT	22.0	170	5	3.20	2.90
BSF6030BNRM330MT	33.0	250	3	2.60	2.60
BSF6030BNRM470MT	47.0	360	2.5	2.30	1.80



※Test Frequency: 100KHz/1V

※Tolerance: M $\pm$ 20%

※Isat:Based on Inductance decrease 30%

※IDC:Based on Temperature increase 40°C

※Operating temperature range : -40 to +125°C (including self-heating)

※Storage Temp. : -40°C T₀+85°C

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