

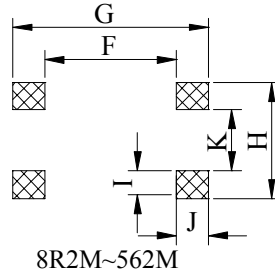
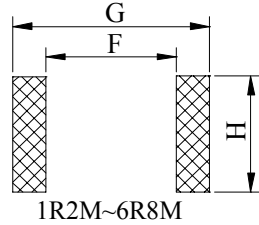
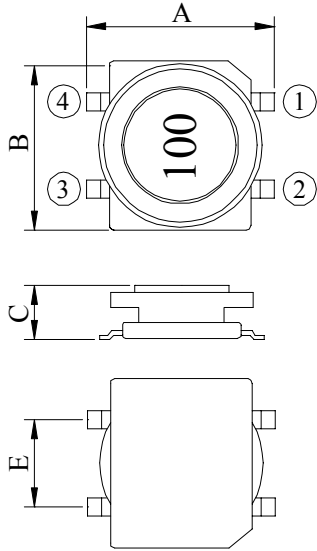
SPECIFICATION FOR APPROVAL

REF :

PAGE: 1

PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO. ABC'S ITEM NO.	SS0802□□□□L□-□□□
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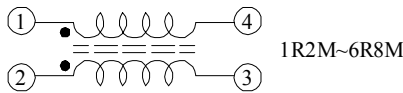
. CONFIGURATION & DIMENSIONS :



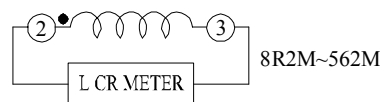
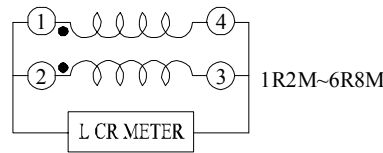
(PCB Pattern)

A	: 7.80±0.5	m/m
B	: 7.50±0.3	m/m
C	: 2.45±0.3	m/m
E	: 3.50±0.2	m/m
F	: 5.8	ref. m/m
G	: 8.6	ref. m/m
H	: 4.8	ref. m/m
I	: 1.4	ref. m/m
J	: 1.4	ref. m/m
K	: 2.0	ref. m/m

. SCHEMATIC DIAGRAM :



. TEST CIRCUIT :

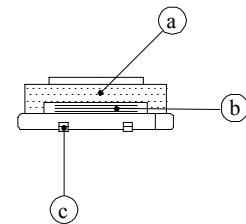


. MATERIALS :

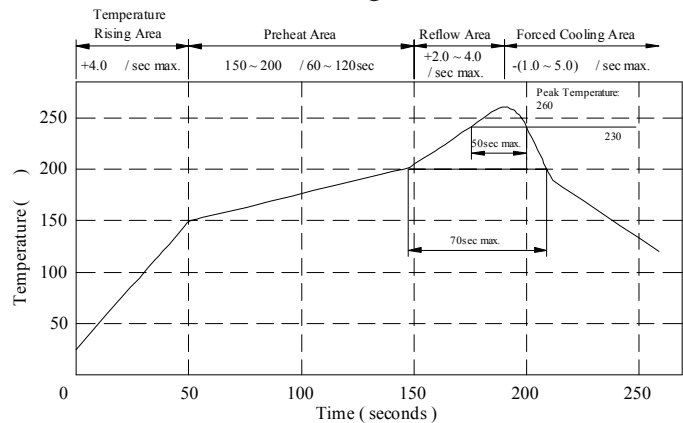
- a . Core : Ferrite
- b . Wire : Enamelled copper wire (class F)
- c . Terminal : Phosphor bronze
- d . Encapsulate : Epoxy resin
- e . Remark : Products comply with RoHS' requirements

. GENERAL SPECIFICATION :

- a . Temp. rise : 40 max.
- b . Rated current : Current cause inductance drop within 10% typ.
- c . Storage temp. : -40 ----+105
- d . Operating temp. : -40 ----+85
- e . Resistance to solder heat : 260 .10 secs.



Peak Temp : 260 max.
 Max time above 230 : 50sec max.
 Max time above 200 : 70sec max.



AE-001A

SPECIFICATION FOR APPROVAL

REF :

PAGE: 2

PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SS0802□□□□L□-□□□
		ABC'S ITEM NO.	

. ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (μ H)	Q ref.	Test Freq. (MHz)		SRF (MHz) nom.	RDC (Ω) max.	Irms (mA)max. T=40	Isat (mA)typ. Δ L/L0A=10%
			L	Q				
SS08021R2ML□-□□□	1.20±20%	20	1K	7.96	140.0	0.030	2600	2800
SS08021R5ML□-□□□	1.50±20%	17	1K	7.96	115.0	0.032	2400	2500
SS08022R2ML□-□□□	2.20±20%	16	1K	7.96	95.0	0.035	2200	2300
SS08022R7ML□-□□□	2.70±20%	16	1K	7.96	85.0	0.040	2100	2200
SS08023R3ML□-□□□	3.30±20%	20	1K	7.96	65.0	0.065	1800	2000
SS08023R9ML□-□□□	3.90±20%	16	1K	7.96	60.0	0.068	1500	1700
SS08024R7ML□-□□□	4.70±20%	17	1K	7.96	55.0	0.072	1300	1600
SS08025R6ML□-□□□	5.60±20%	18	1K	7.96	50.0	0.080	1200	1450
SS08026R8ML□-□□□	6.80±20%	15	1K	7.96	48.0	0.090	1000	1200
SS08028R2ML□-□□□	8.20±20%	20	1K	7.96	42.0	0.110	820	860
SS0802100ML□-□□□	10.00±20%	25	1K	2.52	36.0	0.145	730	770
SS0802120ML□-□□□	12.00±20%	20	1K	2.52	32.0	0.180	650	690
SS0802150ML□-□□□	15.00±20%	22	1K	2.52	30.0	0.220	600	650
SS0802180ML□-□□□	18.00±20%	20	1K	2.52	28.0	0.260	560	620
SS0802220ML□-□□□	22.00±20%	20	1K	2.52	22.0	0.380	480	540
SS0802270ML□-□□□	27.00±20%	32	1K	2.52	20.0	0.420	430	480
SS0802330ML□-□□□	33.00±20%	30	1K	2.52	18.0	0.500	400	440
SS0802390ML□-□□□	39.00±20%	32	1K	2.52	16.5	0.620	380	420
SS0802470ML□-□□□	47.00±20%	25	1K	2.52	15.0	0.650	350	390
SS0802560ML□-□□□	56.00±20%	22	1K	2.52	13.5	0.720	330	360
SS0802680ML□-□□□	68.00±20%	25	1K	2.52	13.0	0.950	280	320
SS0802820ML□-□□□	82.00±20%	25	1K	2.52	12.0	1.100	260	300
SS0802101ML□-□□□	100.00±20%	65	1K	0.796	11.5	1.250	230	260
SS0802121ML□-□□□	120.00±20%	50	1K	0.796	10.2	1.400	210	240
SS0802151ML□-□□□	150.00±20%	45	1K	0.796	9.2	1.650	185	210
SS0802181ML□-□□□	180.00±20%	55	1K	0.796	8.8	2.000	170	200
SS0802221ML□-□□□	220.00±20%	45	1K	0.796	8.2	2.500	165	190
SS0802271ML□-□□□	270.00±20%	65	1K	0.796	7.5	3.600	145	165
SS0802331ML□-□□□	330.00±20%	62	1K	0.796	6.8	4.000	132	152
SS0802391ML□-□□□	390.00±20%	35	1K	0.796	5.6	4.500	125	145
SS0802471ML□-□□□	470.00±20%	50	1K	0.796	4.8	6.600	106	126
SS0802561ML□-□□□	560.00±20%	85	1K	0.796	4.2	7.200	100	115
SS0802681ML□-□□□	680.00±20%	90	1K	0.796	4.0	8.000	90	100
SS0802821ML□-□□□	820.00±20%	80	1K	0.796	3.8	9.500	85	95
SS0802102ML□-□□□	1000.00±20%	110	1K	0.252	3.6	14.000	78	86
SS0802122ML□-□□□	1200.00±20%	105	1K	0.252	3.2	17.000	72	82
SS0802152ML□-□□□	1500.00±20%	105	1K	0.252	3.0	20.500	65	75
SS0802182ML□-□□□	1800.00±20%	92	1K	0.252	2.8	26.000	58	68
SS0802222ML□-□□□	2200.00±20%	95	1K	0.252	2.6	32.000	55	64
SS0802272ML□-□□□	2700.00±20%	105	1K	0.252	2.0	36.500	48	58
SS0802332ML□-□□□	3300.00±20%	90	1K	0.252	1.8	40.500	42	52
SS0802392ML□-□□□	3900.00±20%	115	1K	0.252	1.6	48.000	38	45
SS0802472ML□-□□□	4700.00±20%	100	1K	0.252	1.2	62.000	28	32
SS0802562ML□-□□□	5600.00±20%	110	1K	0.252	1.0	68.000	20	25

- 1). □ : Packaging information... [A]: Bulk [B]: Taping Reel
 2). "- □□□ " : Reference code

AE-001A



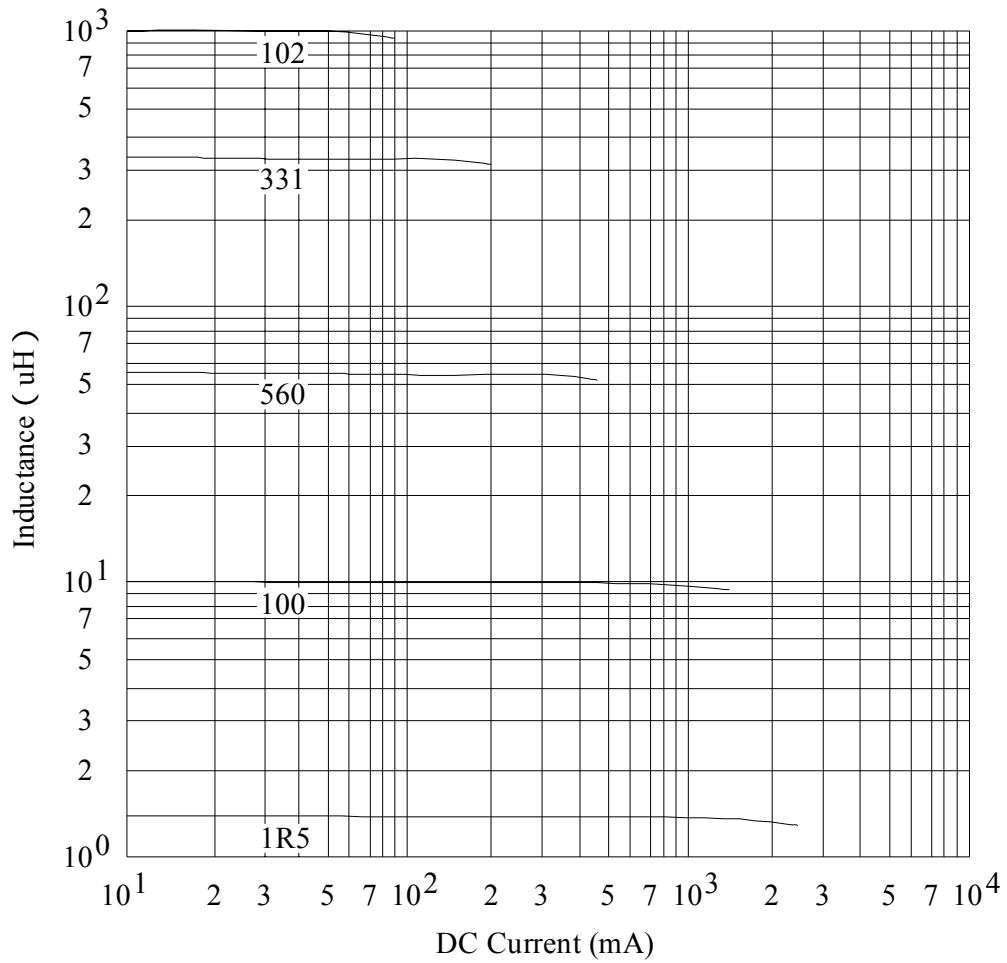
SPECIFICATION FOR APPROVAL

REF :

PAGE: 3

PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SS0802□□□□L□-□□□
		ABC'S ITEM NO.	

. INDUCTANCE VS. DC CURRENT CURVE :



AE-001A

SPECIFICATION FOR APPROVAL

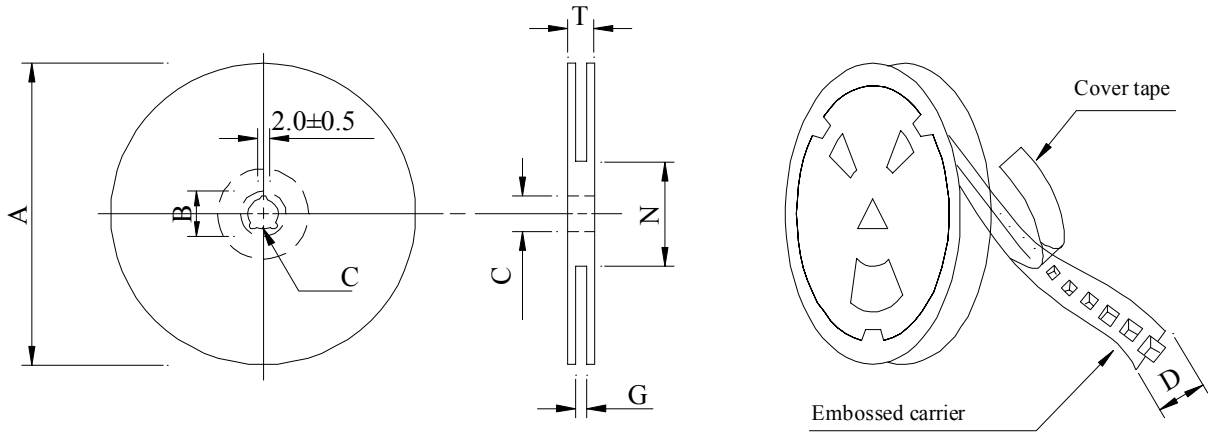
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PAGE: 4

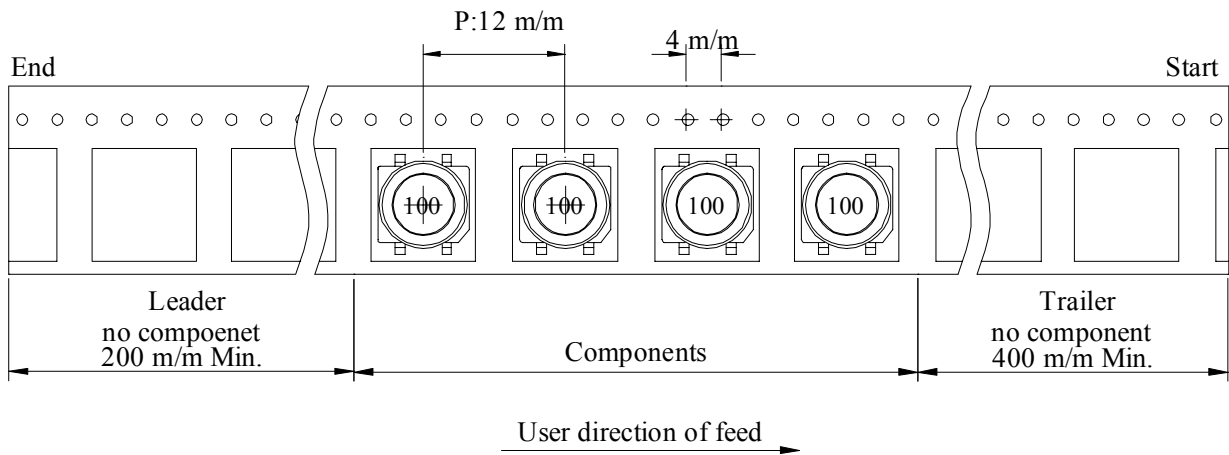
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		ABC'S ITEM NO.	

PACKAGING INFORMATION :

(1) Configuration



Carrier tape width : D



(2) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
13 - 16	330	21±0.8	13	16	18 ⁺⁰	50 ⁻⁰	22.4

(3) Q'TY & G.W. Per package

Series	Inner : Reel			Outer : Carton		
	Q'TY (pcs)	G.W. (gw)	Style	Q'TY (pcs)	G.W. (Kg)	Size (cm)
SS0802	1,500	460	13 - 16	9,000	6.5	40 x 40 x 24

AE-001A

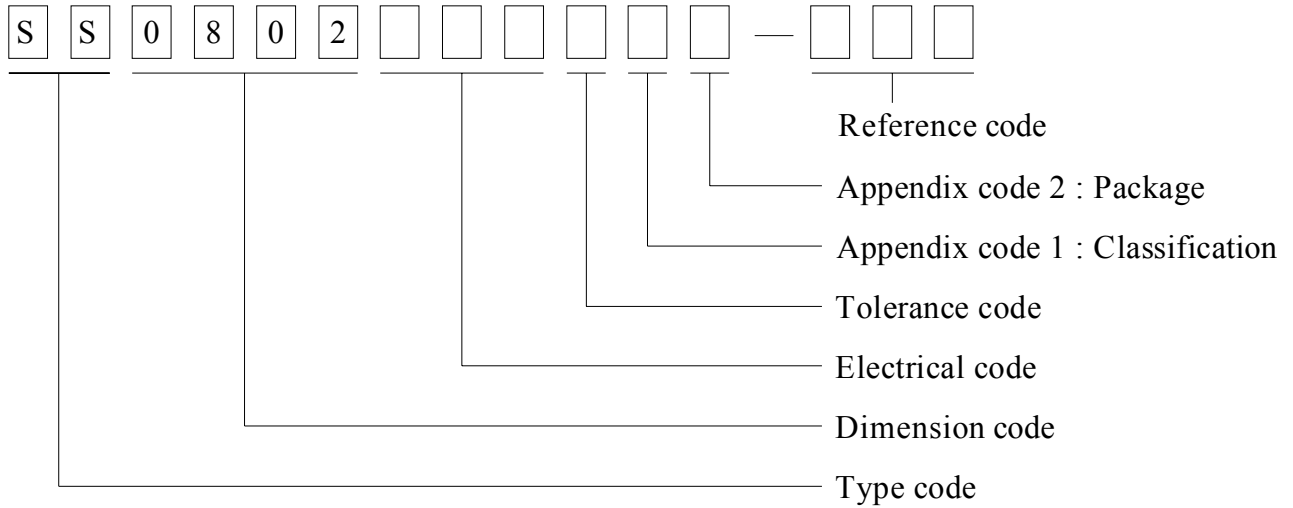
SPECIFICATION FOR APPROVAL

REF :

PAGE: 5

PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SS0802□□□□L□-□□□
		ABC'S ITEM NO.	

. DWGING NUMBER EXPRESSION :



Appendix code 1 : Product Classification

L : Lead Free Standard products comply with RoHS' requirements

1 ~ 9 : Lead Free Special products comply with RoHS' requirements

Appendix code 2 : Package Information

Code	Inner package	Inner package Q'TY	Remark
A	T.B.D.	T.B.D.	
B	T /R (Reel package)	1500 pcs	

SPECIFICATION FOR APPROVAL

REF :

PAGE: 6

PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SS0802□□□□L□-□□□
		ABC'S ITEM NO.	

RELIABILITY TEST :

Test item	Specification	Test condition						
Solderability	More than 90% of the terminal electrode shall be covered With fresh solder.	Preheat : 150±25 for 60 seconds Solder : Sn96.5 / Ag3 / Cu0.5 or equivalent Solder temp. : 235±5 Flux : Rosin Dip time : 4±1 seconds						
Thermal shock test (Temp. cycle)	Inductance shall not change more than ±20%	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; border: none;">Room temp. 15 minutes</td> <td style="text-align: center; border: none;">→</td> <td style="text-align: center; border: none;">$\frac{-25\pm 2}{30 \text{ minutes}}$</td> </tr> <tr> <td style="text-align: center; border: none;">Room temp. 15 minutes</td> <td style="text-align: center; border: none;">→</td> <td style="text-align: center; border: none;">$\frac{85\pm 2}{30 \text{ minutes}}$</td> </tr> </table> <p>Total : 50 cycles</p>	Room temp. 15 minutes	→	$\frac{-25\pm 2}{30 \text{ minutes}}$	Room temp. 15 minutes	→	$\frac{85\pm 2}{30 \text{ minutes}}$
Room temp. 15 minutes	→	$\frac{-25\pm 2}{30 \text{ minutes}}$						
Room temp. 15 minutes	→	$\frac{85\pm 2}{30 \text{ minutes}}$						
Humidity Resistance test		Temperature : 40±2 Humidity : 90 ~ 95% Applied current : Per spec. Time : 500 hours						
High temp. Resistance test		Temperature : 105±2 Applied current : Per spec. Time : 500 hours						

AE-001A

SPECIFICATION FOR APPROVAL

REF :

PAGE: 7

PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SS0802□□□□L□-□□□
		ABC'S ITEM NO.	

UL CARD :

OBMW2 September 8, 2000

Magnet Wire-Component

JUNG SHING WIRE CO LTD E174837

231 CHUNG CHENG RD, SEC 3 JEN-TEH HSIANG, TAINAN
HSIEN TAIWAN

Mtl Dsg	Mark Dsg	BC	Coat Typ	OC	ANSI Type	Temp Class
AIW	---	Polyamideimide	---	---	MW81-C	220
CFUEWB	---	Polyurethane	---	---	MW75C	130
EIAIW	---	Polyesterimide	---	Polyamideimide	MW35C	200
EILOCKY	---	Polyesterimide	---	Polyamide	---	180
EILOCKW	---	Polyesterimide	---	Modified Epoxy	---	200
EIW	---	Polyesterimide	---	---	---	220
EIW-2	---	Polyesterimide	---	---	MW74-C	200
FL.EILOCKY	---	Modified Polyester	---	Polyamide	---	155
LSFFW	---	Polyurethane	---	---	MW79-C	155
LSUEW	---	Polyurethane	---	---	---	130
PEW	---	Polyester	---	---	---	155
PEY	---	Polyester	---	Nylon	MW24-C	155
SF.FLW	---	Modified Polyester	---	---	MW26C	155
SF.EIW	---	Polyesterimide	---	---	MW77C	180
SF.BY@	---	Modified Polyester	---	Nylon	MW27-C	155
SF.FLY@	---	Modified Polyester	---	Nylon	MW27-C	155
SF.BLOCKBS	---	Modified Polyester	---	Modified Polyamide	---	155
SF.EILOCKY#	---	Polyesterimide	---	Polyamide	---	180
SF.EILOCKBS	---	Polyesterimide	---	Modified Polyamide	---	180
SF.BW@	---	Modified Polyester	---	---	MW26C	155
SFFW	---	Polyurethane	---	---	MW79	155

A not-for-profit organization dedicated to public safety and committed to quality service

Mtl Dsg	Mark Dsg	BC	Coat Typ	OC	ANSI Type	Temp Class
SFFY	---	Polyurethane	---	Polyamide	MW80C	155
UEW-1	---	Polyurethane	---	---	MW2-C	105
UEW-2	---	Polyurethane	---	---	---	130
UEW-4	---	Polyurethane	---	---	MW75C	130
UEY	---	Polyurethane	---	Nylon	MW28-C	130
UEY-2	---	Polyurethane	---	Polyamide	MW28-C	130

@-May be suffixed by LZ; # - May be suffixed by LZ, EL or LZI.
LZ - Signifies magened wires twisted together; EL - signifies base coated magnet wire laid parallel with top coat applied overall; LZL - signifies base coated magnet wire twisted together and covered with top coat overall.

Marking: Company name or trademarks JSW or 榮星電線, material designation or marked designation on packaed or reel, and Recognized Component Mark.

See General Information Preceding These Recognitions
For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

SPECIFICATION FOR APPROVAL

REF :

PAGE: 8

PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SS0802□□□□L□-□□□
		ABC'S ITEM NO.	

		SUMITOMO CHEMICAL CO LTD						E54705 (M)				
		5-33 KITAHAMA 4-CHOME CHUO-KO, OSAKA JAPAN										
Mtl Dsg	Col	Min Thk mm	UL94 Flame Class	Elec	RTI Mech with Imp	w/o Imp	H W I	H A I	H V T R	D 4 5	C T I	
Liquid crystal polyester (LCP), designated "EKONOL" or "SUMIKASUPER", furnished in the form of pellets, (Contd)												
E4008 , E400X	NC, BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	130	130	130	3	4	—	—	—	
		1.5	94V-0	130	130	130	2	4	—	—	—	
		3.0	94V-0	130	130	130	1	4	0	5	4	
E4008	NC, WT, BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	220	180	220	3	4	—	—	—	
		1.5	94V-0	220	200	240	2	4	—	—	—	
		3.0	94V-0	220	200	240	1	4	0	5	4	
E4010	NC, BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	220	180	220	3	4	—	—	—	
		1.5	94V-0	220	200	240	2	4	—	—	—	
		3.0	94V-0	220	200	240	1	4	0	5	4	
E400(Y)L , E4008L	NC, BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	130	130	130	3	4	—	—	—	
		1.5	94V-0	130	130	130	2	4	—	—	—	
		3.0	94V-0	130	130	130	1	4	0	5	4	
E4810	NC, BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	130	130	130	0	4	—	—	—	
		1.5	94V-0	130	130	130	0	4	—	—	—	
		3.0	94V-0	130	130	130	1	4	0	5	4	

(X) Denotes any number 1 thru 9.
(Y) Denotes any number 1 thru 7.

AE-001A

