

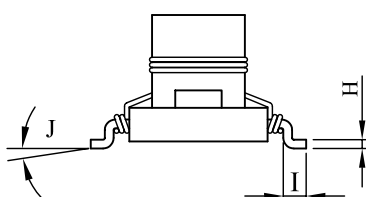
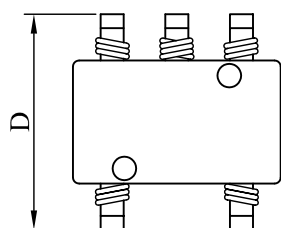
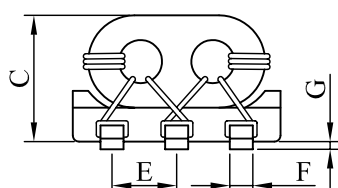
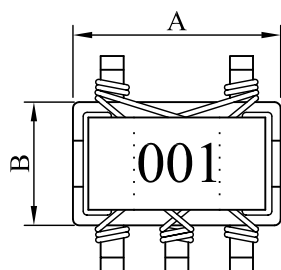
SPECIFICATION FOR APPROVAL

REF :

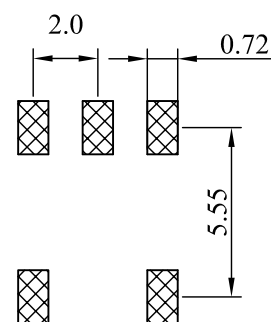
PAGE: 1

PROD. NAME	SMD BALUN TRANSFORMER	ABC'S DWG NO.	SC6036□□□□L□-□□□
		ABC'S ITEM NO.	

I . MECHANICAL DIMENSIONS :



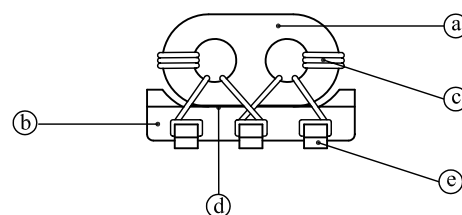
A	: 6.20±0.20	m/m
B	: 4.00±0.20	m/m
C	: 3.60 max.	m/m
D	: 6.40±0.30	m/m
E	: 2.00 typ.	m/m
F	: 0.60±0.05	m/m
G	: 0.20±0.10	m/m
H	: 0.30±0.10	m/m
I	: 0.70±0.05	m/m
J	: 0° ~ 8°	m/m



(PCB Pattern)

II . MATERIALS :

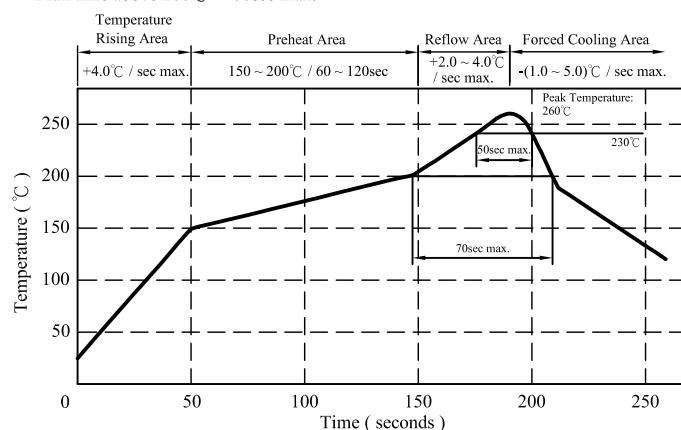
- Core : Ferrite RID core
- Base : Phenolic
- Wire : Enamelled copper wire (class F)
- Adhesive : Epoxy resin
- Terminal : Cu/Ni/Sn
- Remark : Products comply with RoHS' requirements



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

III . APPLICATIONS :

- Double balance mixers , Broad-Band Transformers , Impedance Transformers, ETC.



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千如電子集團
ABC ELECTRONICS GROUP.

SPECIFICATION FOR APPROVAL

REF :

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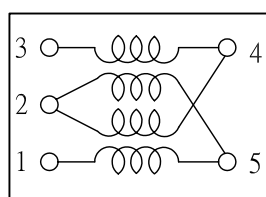
PROD. NAME	SMD BALUN TRANSFORMER	ABC'S DWG NO.	SC6036□□□□L□-□□□
		ABC'S ITEM NO.	

IV . ELECTRICAL CHARACTERISTICS :

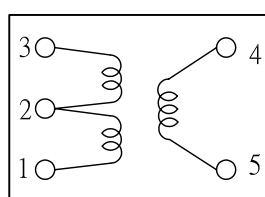
DWG No.	Winding turns	Operating frequency range	Insertion loss	Pin connection fig.
SC60360001L□-□□□	2.0	30.0MHz- 850MHz	3.0dB max.	1
SC60360002L□-□□□	3.0	5.0MHz-1000MHz	3.0dB max.	1
SC60360003L□-□□□	4.0	9.0MHz-1700MHz	3.0dB max.	1
SC60360004L□-□□□	5.0	5.5MHz-1500MHz	3.0dB max.	1
SC60360005L□-□□□	1.0	20.0MHz- 400MHz	7.0dB max.	2
SC60360006L□-□□□	2.0	8.0MHz- 550MHz	3.0dB max.	2
SC60360007L□-□□□	3.0	3.5MHz-500MHz	3.0dB max.	2
SC60360008L□-□□□	4.0	2.0MHz-370MHz	3.0dB max.	2
SC60360009L□-□□□	1.0	100.0MHz- 500MHz	7.0dB max.	2
SC60360010L□-□□□	2.0	500.0MHz-850MHz	3.0dB max.	2
SC60360011L□-□□□	3.0	240.0MHz-500MHz	3.0dB max.	2
SC60360012L□-□□□	4.0	85.0MHz-380MHz	3.0dB max.	2
SC60360013L□-□□□	1.5	10.0MHz-2000MHz	3.0dB max.	3
SC60360014L□-□□□	2.5	6.0MHz-2000MHz	3.0dB max.	3
SC60360015L□-□□□	3.5	6.0MHz-1700MHz	3.0dB max.	3
SC60360016L□-□□□	4.5	5.0MHz-1400MHz	3.0dB max.	3
SC60360017L□-□□□	5.5	5.0MHz-1300MHz	3.0dB max.	3
SC60360018L□-□□□	1.5	160.0MHz-2200MHz	3.0dB max.	4
SC60360019L□-□□□	2.5	60.0MHz-1700MHz	3.0dB max.	4
SC60360020L□-□□□	3.5	30.0MHz-1400MHz	3.0dB max.	4

1). □ : Packaging information ... [A]: Bulk [B]: Taping Reel

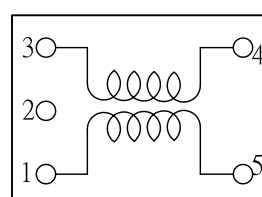
V . SCHEMATIC DIAGRAM :



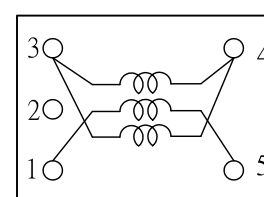
Double balanced
Fig.1



Transformer
Fig.2



Transformer
Fig.3



Transformer
Fig.4

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SPECIFICATION FOR APPROVAL

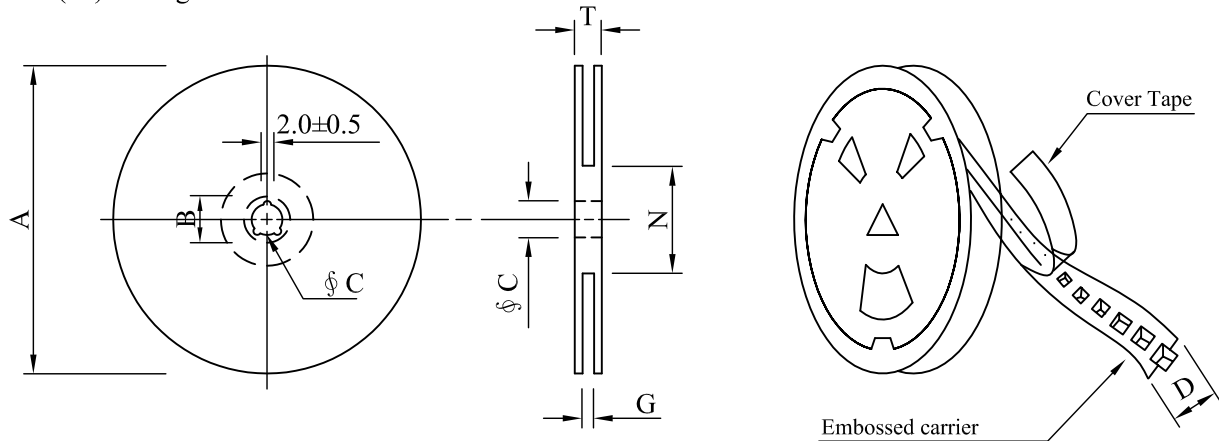
REF :

PAGE: 3

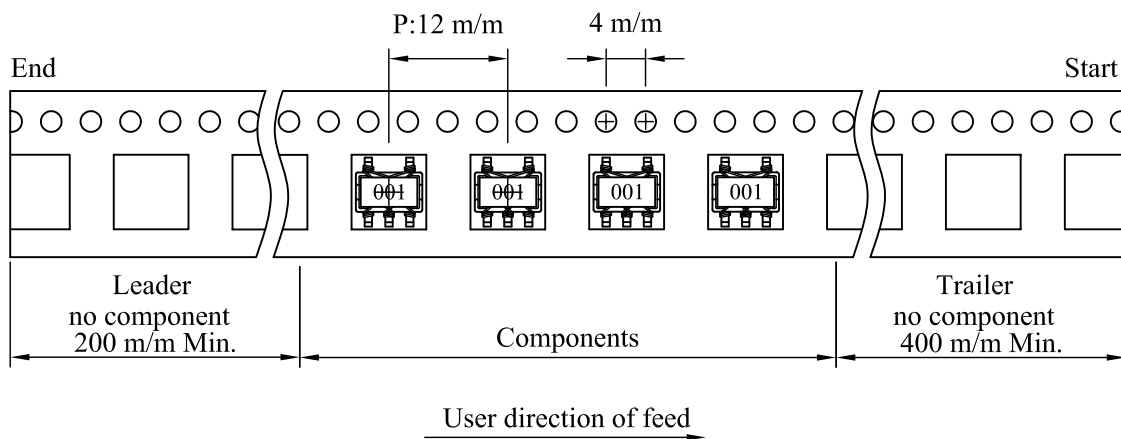
PROD. NAME	SMD BALUN TRANSFORMER	ABC'S DWG NO.	SC6036□□□□L□-□□□
		ABC'S ITEM NO.	

VI . 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±0.5	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)
SC6036	1,200	384	13 - 16	7,200	3.2	40 x 40 x 24

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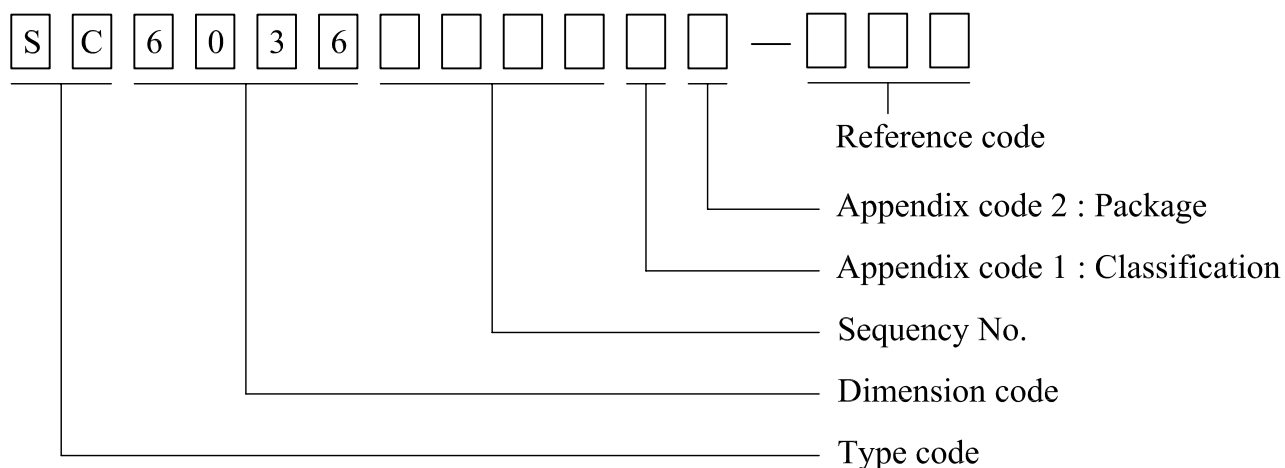
SPECIFICATION FOR APPROVAL

REF :

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PROD. NAME	SMD BALUN TRANSFORMER	ABC'S DWG NO.	SC6036□□□□L□-□□□
		ABC'S ITEM NO.	

VII . 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)	1200 pcs	

SPECIFICATION FOR APPROVAL

REF :

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PROD. NAME	SMD BALUN TRANSFORMER	ABC'S DWG NO.	SC6036□□□□L□-□□□
		ABC'S ITEM NO.	

VIII . 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	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

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

Mtl Dsg	Mark Dsg	BC	Coat Typ	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 LZL.

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

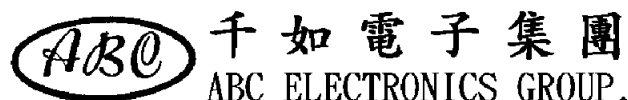
For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

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OBMW2E174837
September 8, 2000

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SPECIFICATION FOR APPROVAL

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PROD. NAME	SMD BALUN TRANSFORMER	ABC'S DWG NO.	SC6036□□□□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		w/o Imp	H W I	H A I	H V T R	D 4 9 5	C T I
					with Imp	Mech						
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.												

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

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SPECIFICATION FOR APPROVAL

REF :

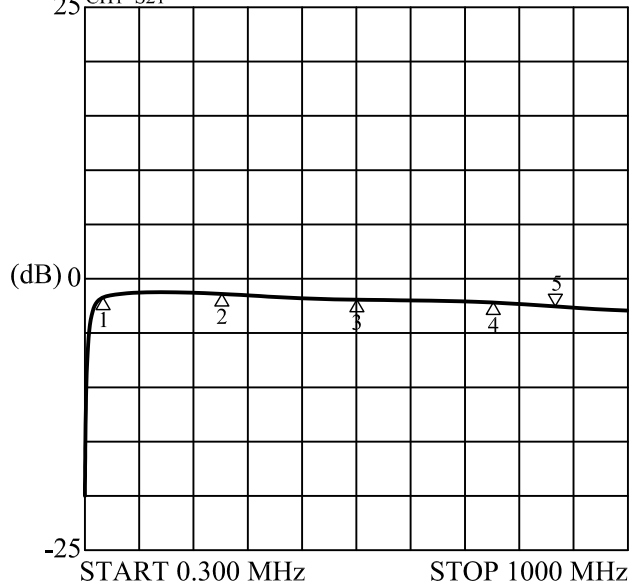
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PROD. NAME	SMD BALUN TRANSFORMER	ABC'S DWG NO.	SC6036□□□□L□-□□□
		ABC'S ITEM NO.	

IX . INSERTION LOSS TEST CURVE :

SC60360001

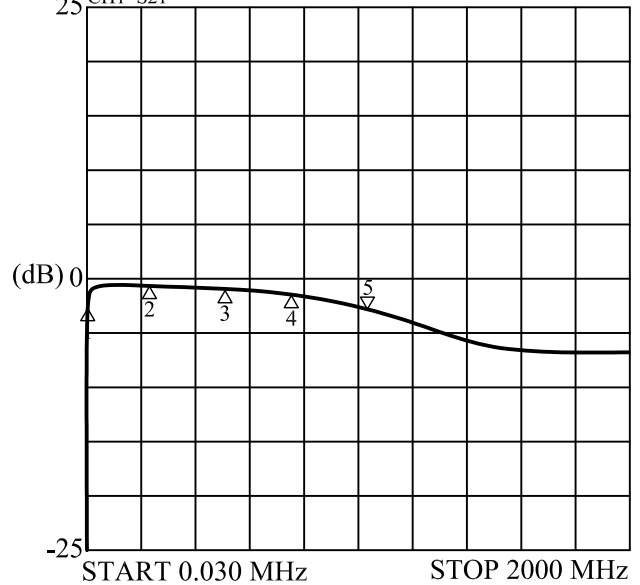
25 CH1 S21



- ① -1.6658 dB / 30 MHz
- ② -1.4457 dB / 250 MHz
- ③ -1.7386 dB / 500 MHz
- ④ -2.2781 dB / 750 MHz
- ⑤ -2.5002 dB / 850 MHz

SC60360002

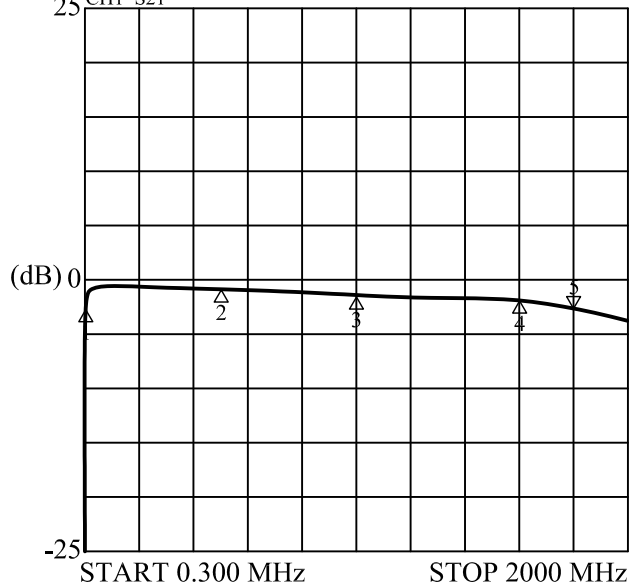
25 CH1 S21



- ① -2.8934 dB / 4.5 MHz
- ② -0.9879 dB / 250 MHz
- ③ -1.4378 dB / 500 MHz
- ④ -1.8515 dB / 750 MHz
- ⑤ -2.7270 dB / 1000 MHz

SC60360003

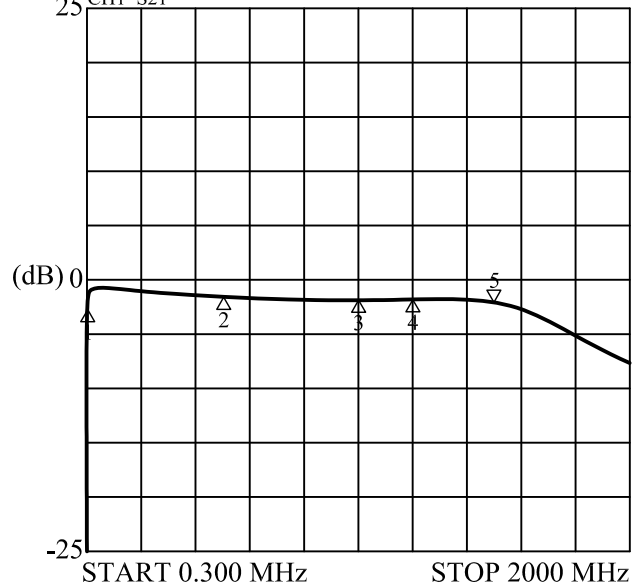
25 CH1 S21



- ① -2.6372 dB / 9.0 MHz
- ② -0.8795 dB / 500 MHz
- ③ -1.8247 dB / 1000 MHz
- ④ -2.3757 dB / 1600 MHz
- ⑤ -2.9741 dB / 1800 MHz

SC60360004

25 CH1 S21



- ① -2.7102 dB / 5.5 MHz
- ② -1.1637 dB / 550 MHz
- ③ -2.3313 dB / 1000 MHz
- ④ -2.2703 dB / 1200 MHz
- ⑤ -2.4139 dB / 1500 MHz

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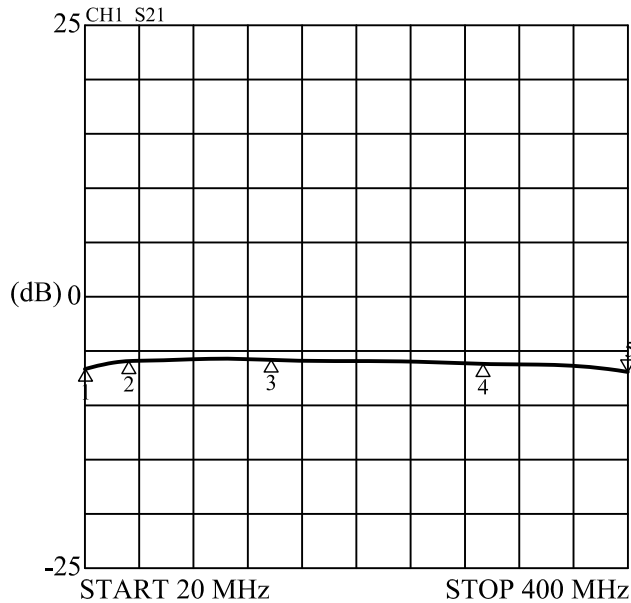
SPECIFICATION FOR APPROVAL

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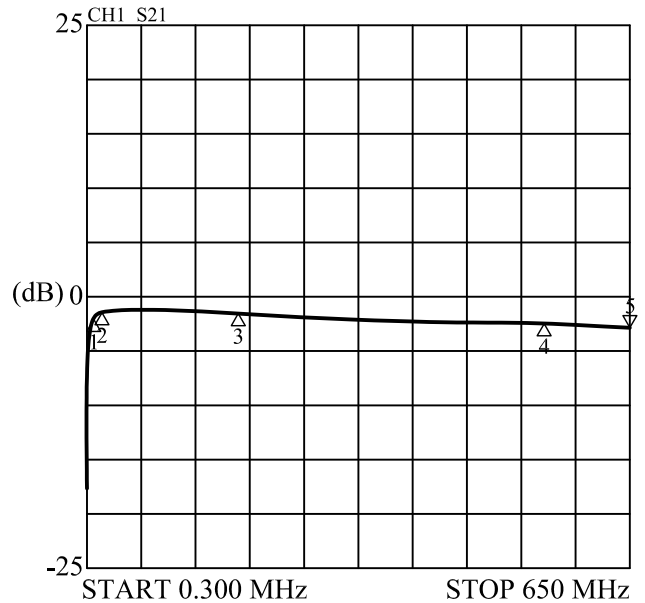
PROD. NAME	SMD BALUN TRANSFORMER	ABC'S DWG NO.	SC6036□□□□L□-□□□
		ABC'S ITEM NO.	

SC60360005



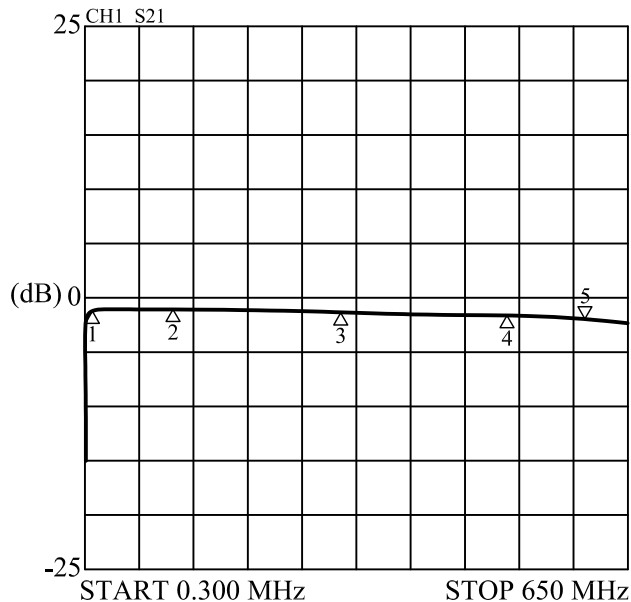
- ① -6.7986 dB / 20 MHz
- ② -5.8059 dB / 50 MHz
- ③ -5.5581 dB / 150 MHz
- ④ -6.2174 dB / 300 MHz
- ⑤ -6.8746 dB / 400 MHz

SC60360006



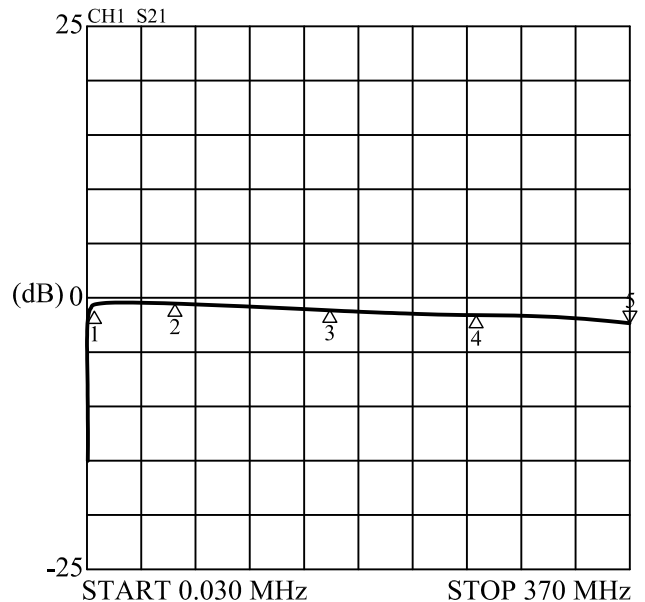
- ① -2.9701 dB / 5.5 MHz
- ② -2.5171 dB / 10 MHz
- ③ -2.3691 dB / 300 MHz
- ④ -2.8968 dB / 550 MHz
- ⑤ -3.0185 dB / 650 MHz

SC60360007



- ① -1.5025 dB / 3.5 MHz
- ② -1.0559 dB / 100 MHz
- ③ -1.6585 dB / 300 MHz
- ④ -1.8729 dB / 500 MHz
- ⑤ -2.6648 dB / 600 MHz

SC60360008



- ① -0.9201 dB / 2.0 MHz
- ② -0.7547 dB / 50 MHz
- ③ -1.2114 dB / 200 MHz
- ④ -1.4764 dB / 300 MHz
- ⑤ -2.6306 dB / 370 MHz

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SPECIFICATION FOR APPROVAL

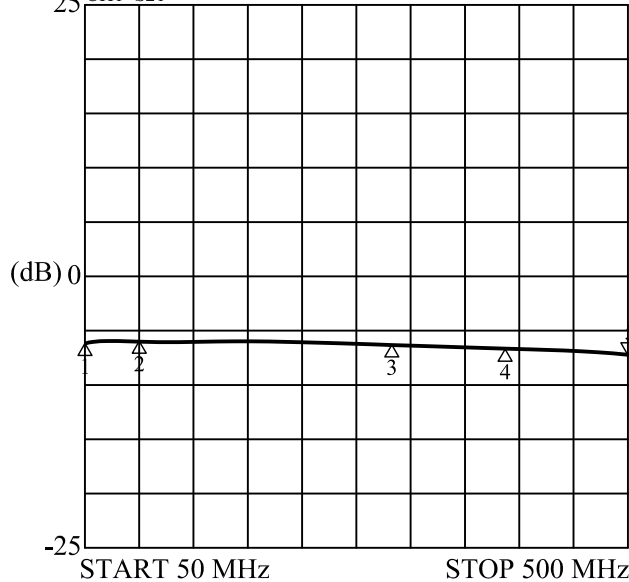
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PROD. NAME	SMD BALUN TRANSFORMER	ABC'S DWG NO.	SC6036□□□□L□-□□□
		ABC'S ITEM NO.	

SC60360009

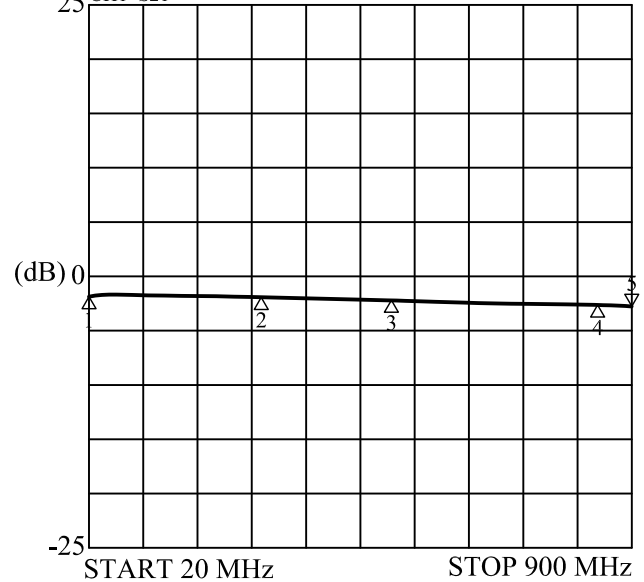
25 CH1 S21



- ① -5.5958 dB / 100 MHz
- ② -5.4408 dB / 200 MHz
- ③ -5.7216 dB / 300 MHz
- ④ -6.1968 dB / 400 MHz
- ⑤ -6.7560 dB / 500 MHz

SC60360010

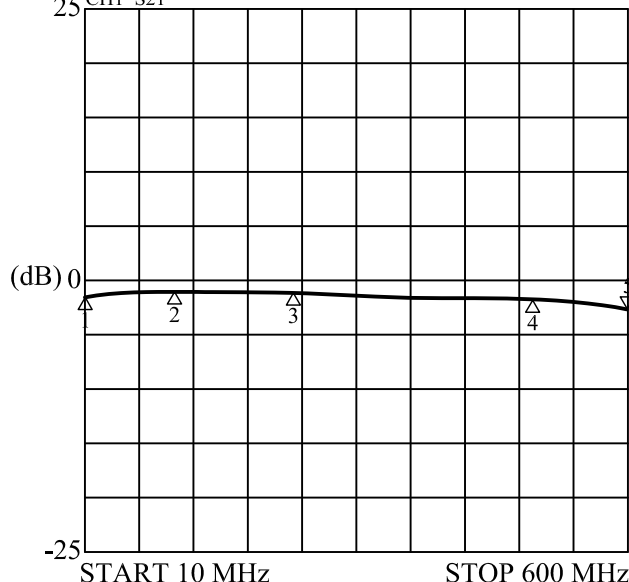
25 CH1 S21



- ① -2.3639 dB / 20 MHz
- ② -2.2582 dB / 300 MHz
- ③ -2.7474 dB / 500 MHz
- ④ -2.8191 dB / 850 MHz
- ⑤ -2.9807 dB / 900 MHz

SC60360011

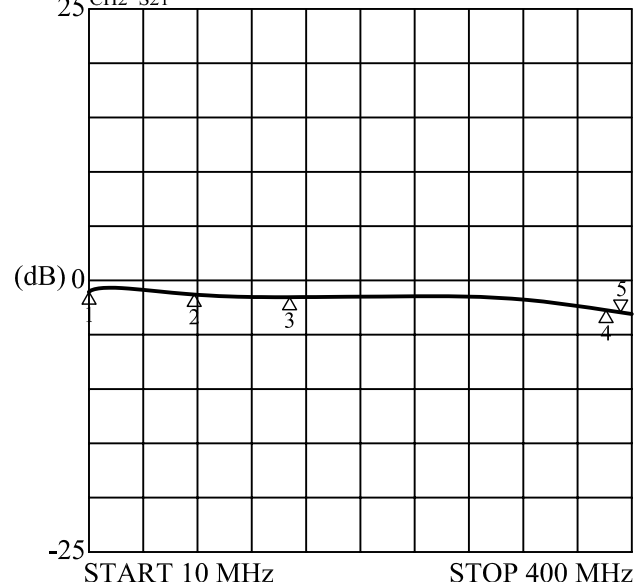
25 CH1 S21



- ① -2.1772 dB / 10 MHz
- ② -1.0075 dB / 100 MHz
- ③ -1.3128 dB / 240 MHz
- ④ -1.4888 dB / 500 MHz
- ⑤ -2.5401 dB / 600 MHz

SC60360012

25 CH2 S21



- ① -1.0194 dB / 10 MHz
- ② -1.0368 dB / 85 MHz
- ③ -1.4030 dB / 150 MHz
- ④ -2.6303 dB / 380 MHz
- ⑤ -2.9904 dB / 390 MHz

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SPECIFICATION FOR APPROVAL

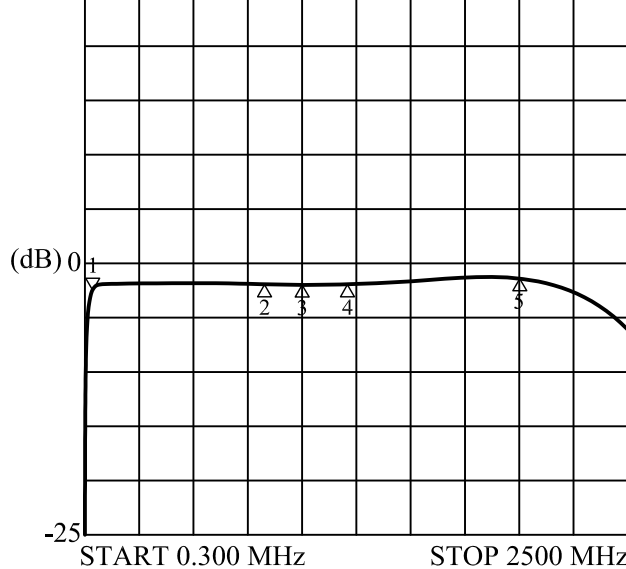
REF :

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PROD. NAME	SMD BALUN TRANSFORMER	ABC'S DWG NO.	SC6036□□□□L□-□□□
		ABC'S ITEM NO.	

SC60360013

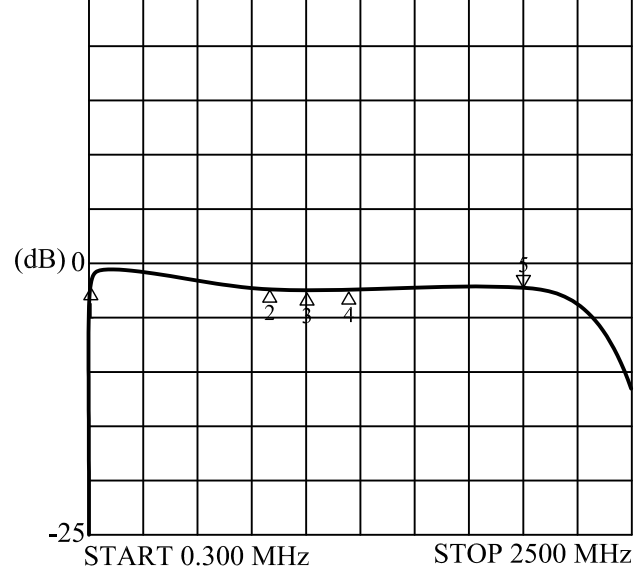
25 CH1 S21



- ① -2.4058 dB / 10 MHz
- ② -2.4434 dB / 850 MHz
- ③ -2.5636 dB / 1000 MHz
- ④ -2.5226 dB / 1200 MHz
- ⑤ -1.3914 dB / 2000 MHz

SC60360014

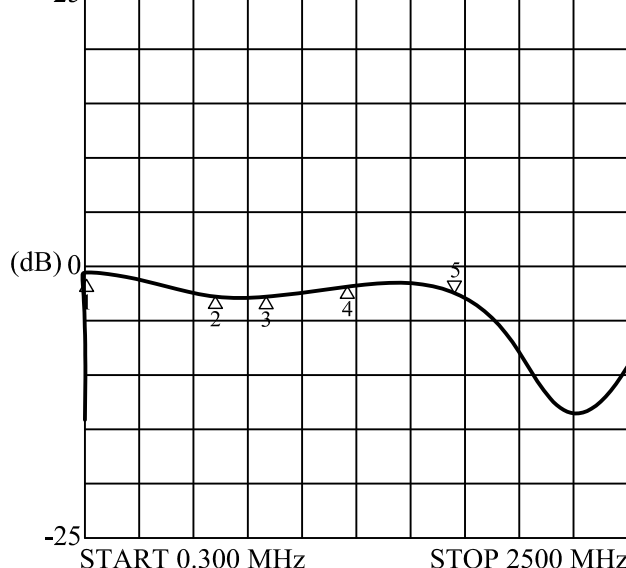
25 CH1 S21



- ① -2.4797 dB / 6.0 MHz
- ② -2.8448 dB / 850 MHz
- ③ -2.8760 dB / 1000 MHz
- ④ -2.6107 dB / 1200 MHz
- ⑤ -2.8353 dB / 2000 MHz

SC60360015

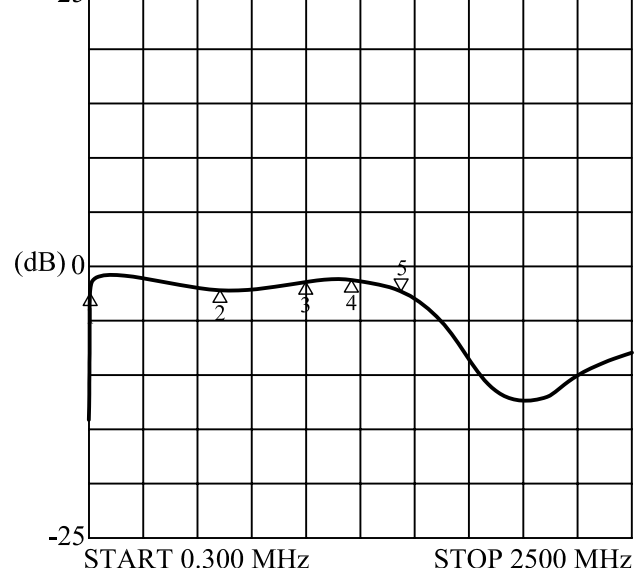
25 CH1 S21



- ① -1.5440 dB / 6.0 MHz
- ② -2.5877 dB / 600 MHz
- ③ -2.8402 dB / 850 MHz
- ④ -1.8911 dB / 1200 MHz
- ⑤ -2.8265 dB / 1700 MHz

SC60360016

25 CH2 S21



- ① -2.6800 dB / 5.0 MHz
- ② -2.3717 dB / 600 MHz
- ③ -1.7034 dB / 1000 MHz
- ④ -1.4836 dB / 1200 MHz
- ⑤ -2.5552 dB / 1400 MHz

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SPECIFICATION FOR APPROVAL

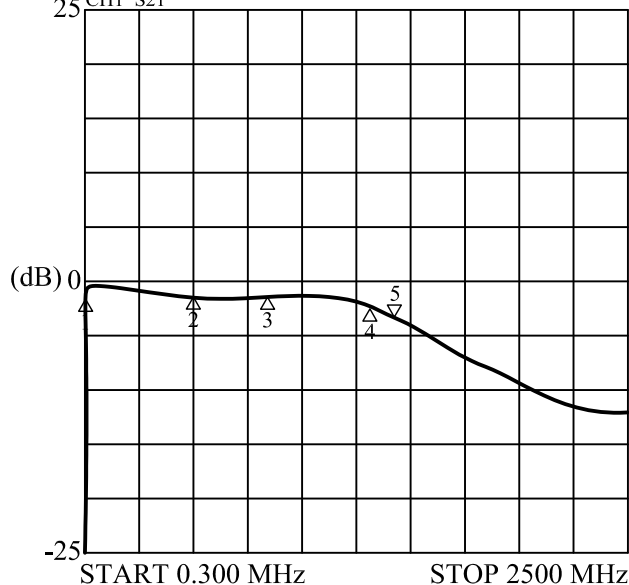
REF :

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PROD. NAME	SMD BALUN TRANSFORMER	ABC'S DWG NO.	SC6036□□□□L□-□□□
		ABC'S ITEM NO.	

SC60360017

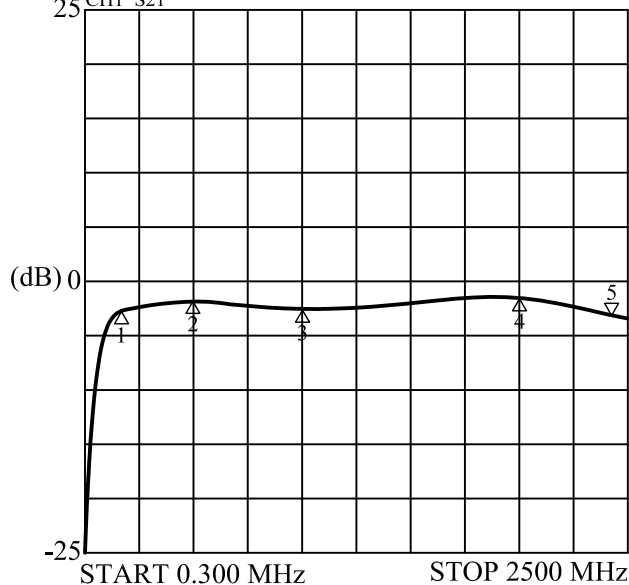
25 CH1 S21



- ① -1.9838 dB / 5.0 MHz
- ② -1.7345 dB / 500 MHz
- ③ -1.1251 dB / 850 MHz
- ④ -2.1274 dB / 1300 MHz
- ⑤ -3.0150 dB / 1400 MHz

SC60360018

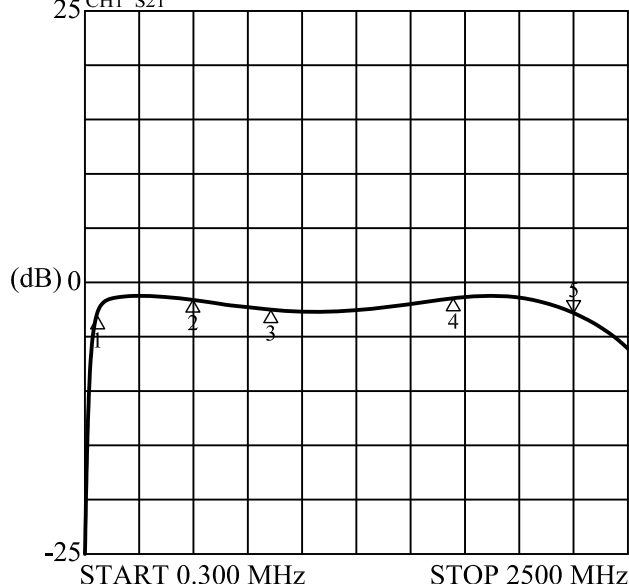
25 CH1 S21



- ① -2.6582 dB / 160 MHz
- ② -2.0335 dB / 500 MHz
- ③ -2.8600 dB / 1000 MHz
- ④ -1.7604 dB / 2000 MHz
- ⑤ -2.7750 dB / 2400 MHz

SC60360019

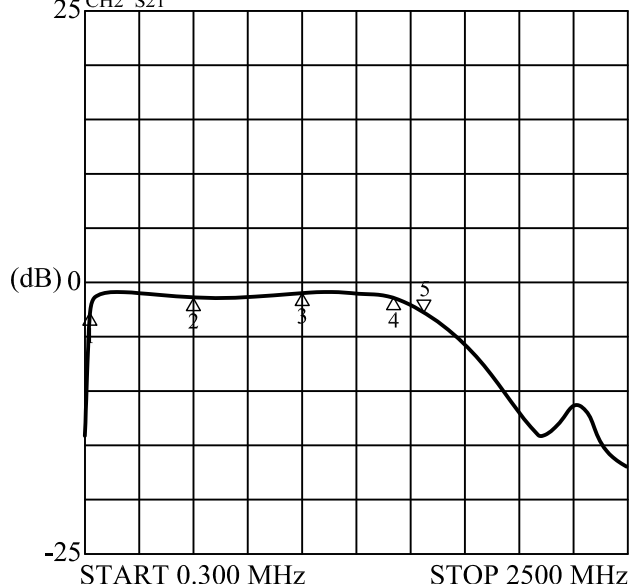
25 CH1 S21



- ① -2.8956 dB / 60 MHz
- ② -1.9037 dB / 500 MHz
- ③ -2.7778 dB / 850 MHz
- ④ -1.4123 dB / 1700 MHz
- ⑤ -2.6534 dB / 2250 MHz

SC60360020

25 CH2 S21



- ① -2.8621 dB / 30 MHz
- ② -1.1315 dB / 500 MHz
- ③ -0.9943 dB / 1000 MHz
- ④ -1.4555 dB / 1400 MHz
- ⑤ -2.8334 dB / 1550 MHz

AR-001A