

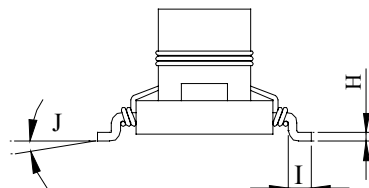
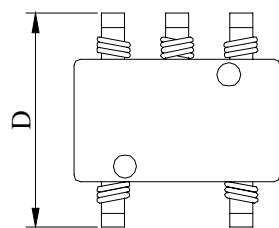
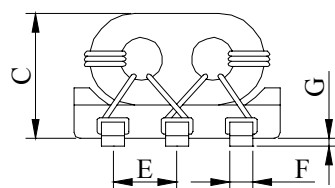
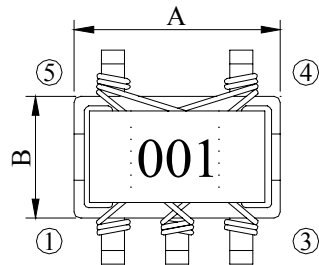
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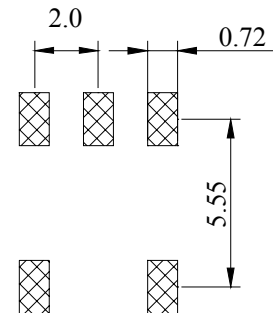
PAGE: 1

PROD. NAME	SMD BALUN TRANSFORMER	DWG NO.	BRN6044 Series
		ITEM NO.	

I . MECHANICAL DIMENSIONS :



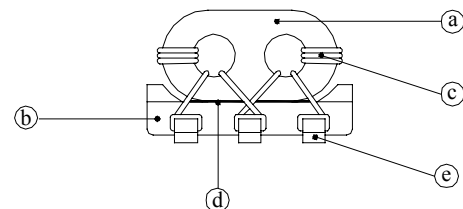
A	: 6.20±0.20	m/m
B	: 4.00±0.20	m/m
C	: 4.40 max.	m/m
D	: 6.40±0.30	m/m
E	: 2.00 typ.	m/m
F	: 0.60±0.05	m/m
G	: 0.20±0.10	m/m
H	: 0.30±0.10	m/m
I	: 0.70±0.05	m/m
J	: 0° ~ 8°	m/m



(PCB Pattern)

II . MATERIALS :

- Core : Ferrite RID core
- Base : Phenolic
- Wire : Enamelled copper wire (class F)
- Adhesive : Epoxy resin
- Terminal : Cu/Ni/Sn (Lead content 100ppm max.)
- Remark : Ferrite body is exempted with lead content under RoHS regulation



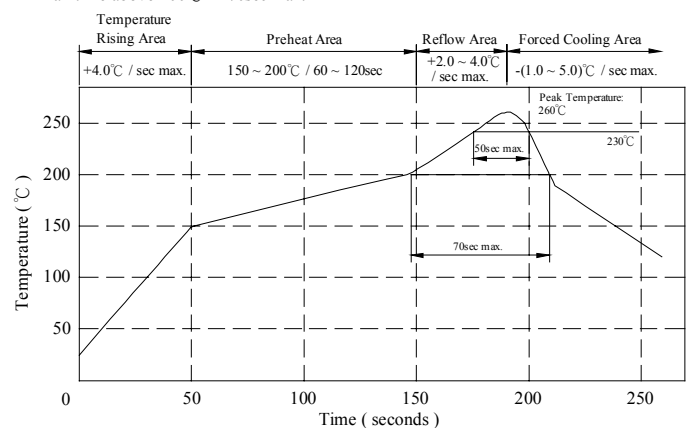
Peak Temp : 260°C max.
Max time above 230°C : 50sec max.
Max time above 200°C : 70sec max.

III . FEATURES :

- Paired wire coil for high stability.
- Base Pin terminal treated , Allowing Mounting 'AS IS' ON A PCB.

IV . APPLICATIONS :

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



AE-001A

Bourns Inductive Components

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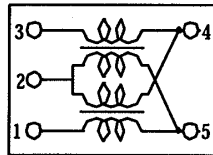
PAGE: 2

PROD. NAME	SMD BALUN TRANSFORMER	DWG NO.	BRN6044 Series
		ITEM NO.	

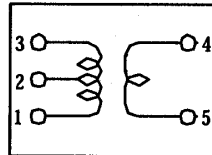
V . ELECTRICAL CHARACTERISTICS :

DWG NO.	WINDING TURNS	OPERATING FREQUENCY RANGE	INSERTION LOSS	FIG.
BRN6044-0001S	1	50.0MHz-400.0MHz	10.0dB max.	1
BRN6044-0002S	2	10.0MHz- 1.0GHz	6.0dB max.	1
BRN6044-0003S	3	8.0MHz-800.0MHz	3.5dB max.	1
BRN6044-0004S	4	6.0MHz-600.0MHz	2.5dB max.	1
BRN6044-0005S	5	5.0MHz-500.0MHz	2.0dB max.	1
BRN6044-0006S	2	400.0MHz- 1.3GHz	4.0dB max.	1
BRN6044-0007S	Pri 1x2 Sec 1	25.0MHz-450.0MHz	8.0dB max.	2
BRN6044-0008S	Pri 2x2 Sec 2	9.0MHz-350.0MHz	3.0dB max.	2
BRN6044-0009S	Pri 3x2 Sec 3	3.5MHz-470.0MHz	3.0dB max.	2
BRN6044-0010S	Pri 4x2 Sec 4	2.2MHz-400.0MHz	3.0dB max.	2
BRN6044-0011S	Pri 5x2 Sec 5	1.5MHz-300.0MHz	3.0dB max.	2
BRN6044-0012S	4	6.0MHz-600.0MHz	IN to OUT-1 1.3dB max. IN to OUT-2 11dB~14dB	3
BRN6044-0013S	5	6.0MHz-600.0MHz	IN to OUT-1 0.9dB max. IN to OUT-2 13dB~16dB	3
BRN6044-0014S	6	6.0MHz-600.0MHz	IN to OUT-1 0.8dB max. IN to OUT-2 15dB~17dB	3
BRN6044-0015S		20.0MHz-600.0MHz	IN to OUT-1,2 4.5dB max. OUT-1 to OUT-2 (ISOLATION) 10dB min.	4

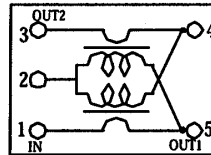
VI . SCHEMATIC DIAGRAM :



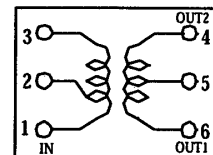
Double balanced mixer
Fig.1



Transformer
Fig.2



Directional coupler
Fig.3



Distributor
Fig.4

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PAGE: 3

PROD. NAME	SMD BALUN TRANSFORMER		DWG NO.	BRN6044 Series	
			ITEM NO.		

VII . PACKAGING INFORMATION :

(1) CONFIGURATION

*CARRIER TAPE WIDTH : D

(2) DIMENSIONS

Unit:m/m

STYLE	A	B	C	D	G	N	T
07 - 16	178	21 ± 0.8	13	16	18 ⁺⁰	50 ⁻⁰	22.4
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)
BRN6044	300	113	07 - 16	12,000	5.2	39 x 38 x 21.5
BRN6044	1,000	450	13 - 16	8,000	4.2	40 x 40 x 24

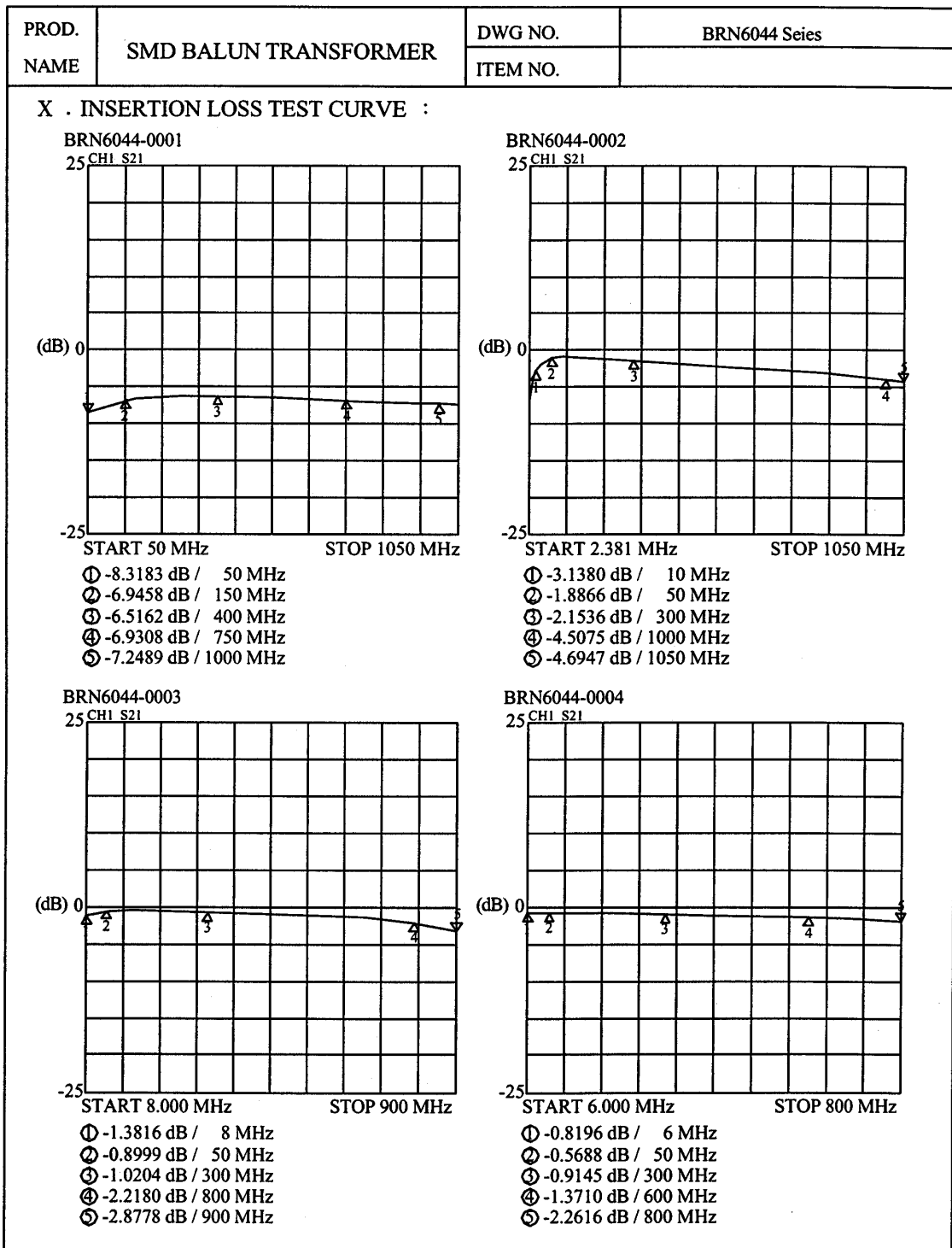
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PAGE: 4



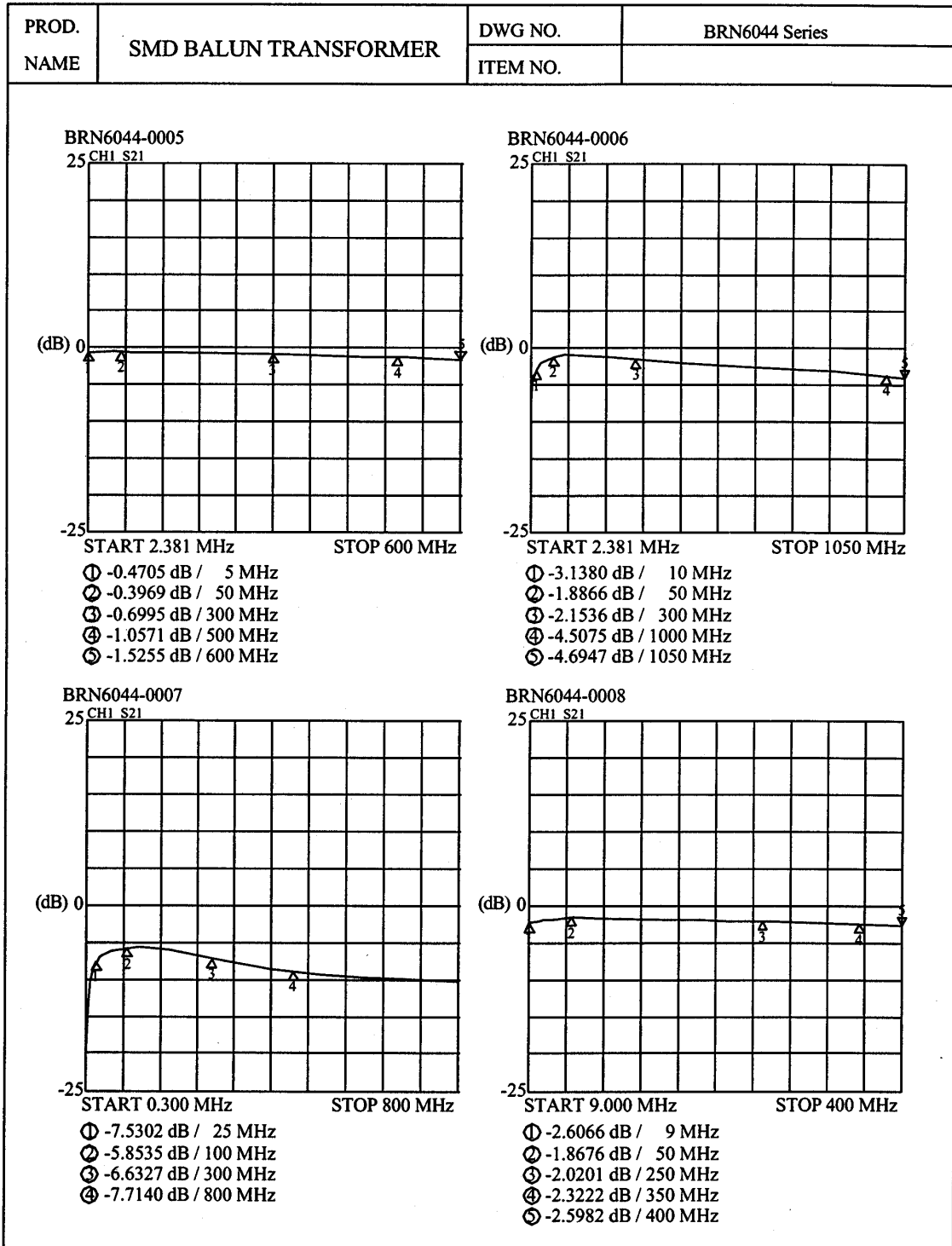
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REF :

PAGE: 5



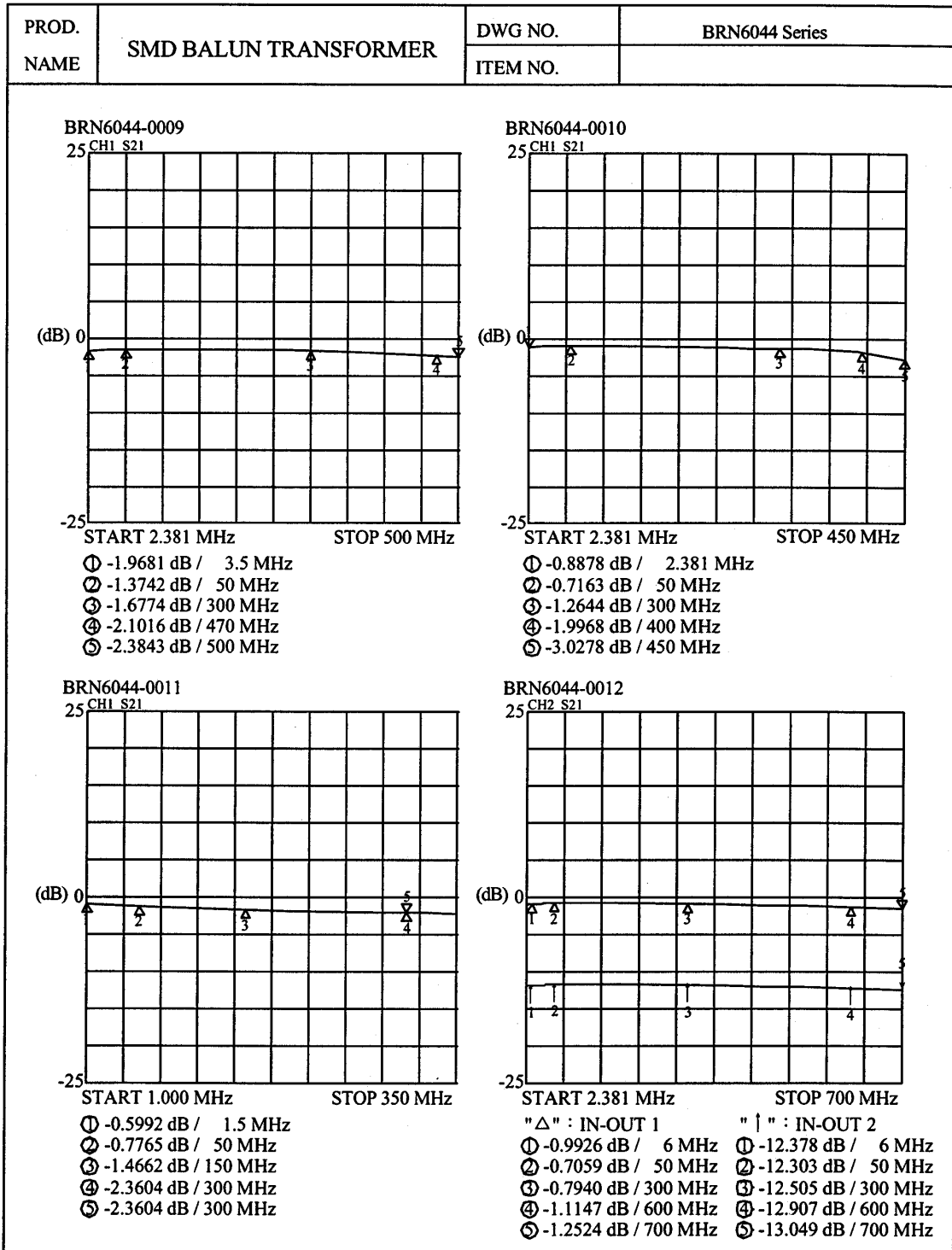
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REF :

PAGE: 6



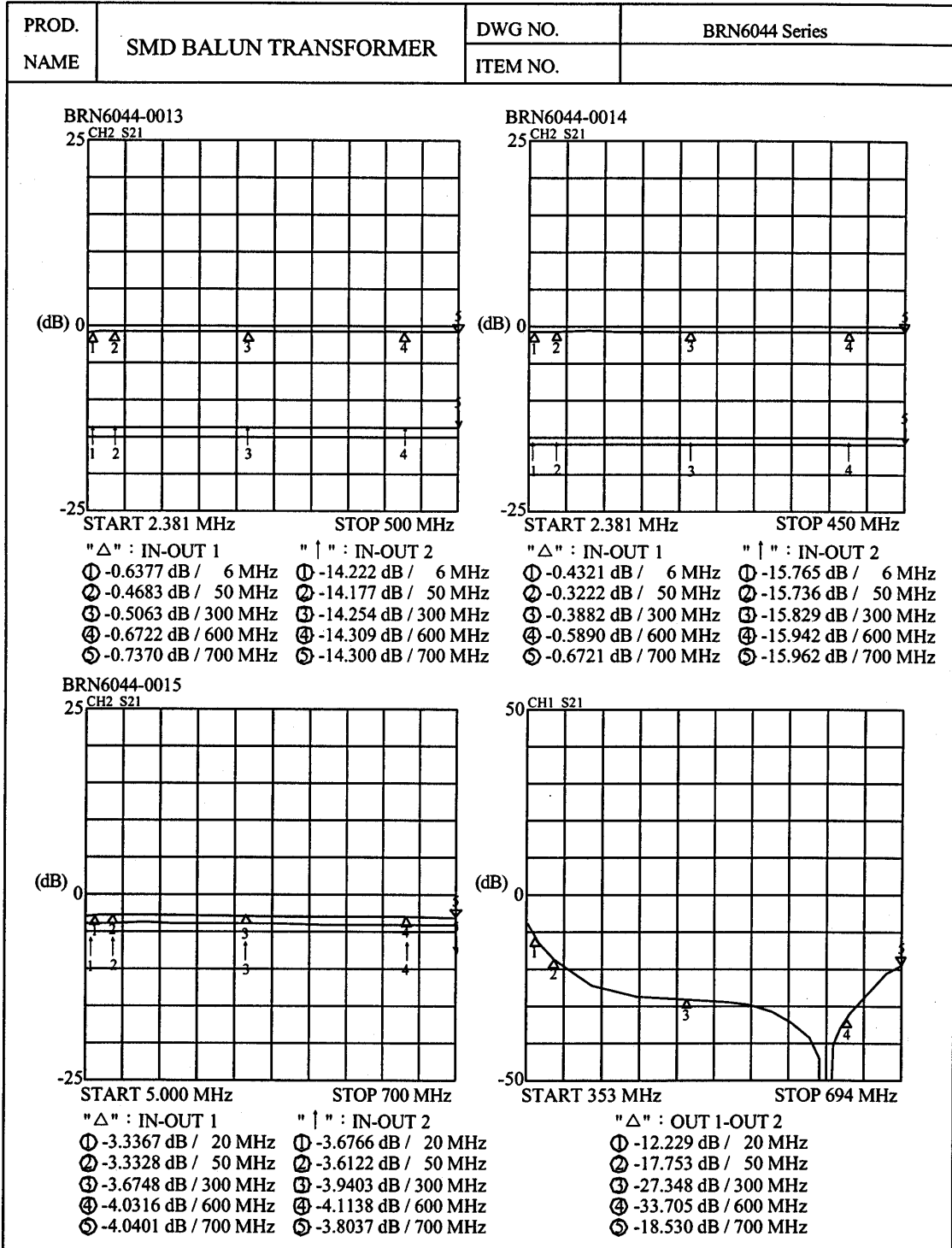
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PAGE: 7



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Bourns Inductive Solution

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bourns:

[BRN6044-0001S](#) [BRN6044-0013S](#) [BRN6044-0004S](#) [BRN6044-0015S](#) [BRN6044-0010S](#) [BRN6535-1394A](#)
[BRN6044-0008S](#) [BRN6044-0014S](#) [BRN6044-0002S](#) [BRN6044-0005S](#) [BRN6044-0003S](#) [BRN6044-0007S](#)
[BRN6044-0006S](#) [BRN6044-0012S](#) [BRN6044-0009S](#) [BRN6044-0011S](#)