Notice for TAIYO YUDEN Products

Please read this notice before using the TAIYO YUDEN products.

REMINDERS

Product information in this catalog is as of October 2017. All of the contents specified herein are subject to change without notice due to technical improvements, etc. Therefore, please check for the latest information carefully before practical application or use of our products.

Please note that TAIYO YUDEN shall not be in any way responsible for any damages and defects in products or equipment incorporating our products, which are caused under the conditions other than those specified in this catalog or individual product specification sheets.

- Please contact TAIYO YUDEN for further details of product specifications as the individual product specification sheets are available.
- Please conduct validation and verification of our products in actual condition of mounting and operating environment before using our products.
- The products listed in this catalog are intended for use in general electronic equipment (e.g., AV equipment, OA equipment, home electric appliances, office equipment, information and communication equipment including, without limitation, mobile phone, and PC) and medical equipment classified as Class I or II by IMDRF. Please be sure to contact TAIYO YUDEN for further information before using the products for any equipment which may directly cause loss of human life or bodily injury (e.g., transportation equipment including, without limitation, automotive powertrain control system, train control system, and ship control system, traffic signal equipment, disaster prevention equipment, medical equipment classified as Class III by IMDRF, highly public information network equipment including, without limitation, telephone exchange, and base station).

Please do not incorporate our products into any equipment requiring high levels of safety and/or reliability (e.g., aerospace equipment, aviation equipment*, medical equipment classified as Class IV by IMDRF, nuclear control equipment, undersea equipment, military equipment).

*Note: There is a possibility that our products can be used only for aviation equipment that does not directly affect the safe operation of aircraft (e.g., in-flight entertainment, cabin light, electric seat, cooking equipment) if such use meets requirements specified separately by TAIYO YUDEN. Please be sure to contact TAIYO YUDEN for further information before using our products for such aviation equipment.

When our products are used even for high safety and/or reliability-required devices or circuits of general electronic equipment, it is strongly recommended to perform a thorough safety evaluation prior to use of our products and to install a protection circuit as necessary.

Please note that unless you obtain prior written consent of TAIYO YUDEN, TAIYO YUDEN shall not be in any way responsible for any damages incurred by you or third parties arising from use of the products listed in this catalog for any equipment requiring inquiry to TAIYO YUDEN or prohibited for use by TAIYO YUDEN as described above.

- Information contained in this catalog is intended to convey examples of typical performances and/or applications of our products and is not intended to make any warranty with respect to the intellectual property rights or any other related rights of TAIYO YUDEN or any third parties nor grant any license under such rights.
- Please note that the scope of warranty for our products is limited to the delivered our products themselves and TAIYO YUDEN shall not be in any way responsible for any damages resulting from a fault or defect in our products. Notwithstanding the foregoing, if there is a written agreement (e.g., supply and purchase agreement, quality assurance agreement) signed by TAIYO YUDEN and your company, TAIYO YUDEN will warrant our products in accordance with such agreement.
- The contents of this catalog are applicable to our products which are purchased from our sales offices or authorized distributors (hereinafter "TAIYO YUDEN's official sales channel"). Please note that the contents of this catalog are not applicable to our products purchased from any seller other than TAIYO YUDEN's official sales channel.
- Caution for Export

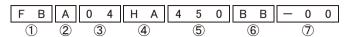
Some of our products listed in this catalog may require specific procedures for export according to "U.S. Export Administration Regulations", "Foreign Exchange and Foreign Trade Control Law" of Japan, and other applicable regulations. Should you have any questions on this matter, please contact our sales staff.

LEADED FERRITE BEAD INDUCTORS(FB SERIES A TYPE / R TYPE)



■PARTS NUMBER

*Operating Temp.: -25~+105°C (Including self-generated heat)



△=Blank space

①Series name	
Code	Series name
FB	Ferrite bead

2Shape	
Code	Shape

Z/Snape							
Code	Shape						
Α	Axial lead						
R	Radial lead						

③Dimensions of core(D)							
Code	Dimensions of core(D)[mm]						
03	φ 2.5						
04	φ 3.5						
05	5.0						
06	6.0						
07	7.5						

4)Material	
Code	Material
HA	Refer to impedance curves
VA	for material differences

⑤Nominal impedance							
Code (example)	Nominal impedance[Ω min.]						
850	85						
121	120						

Excluding 03type

6Lead configuration

Code	Lead configurations[mm]					
AB	Straight lead (26mm lead space) / ammo					
BB	Straight lead (52mm lead space) / ammo					
KD	Formed lead (10mm pitch) / bulk					
KE	Formed lead (12.5mm pitch) / bulk					
KF	Formed lead / bulk (15.0mm pitch) / bulk					
NA	Lead (2.5mm pitch)/bulk (FBR)					
INA	Straight lead / bulk (FBA)					
NB	Formed lead (crimped) / bulk					
SA	Straight lead (FBR05 type) / ammo					
SB	Straight lead (FBR07 type) / ammo					
TB	Straight lead (FBR07 type) / ammo					
UB	Radial lead formed / ammo					
US	Formed lead (crimped) / bulk					
VB	Dual side lead formed (crimped) / ammo					
VS	Formed lead / bulk					

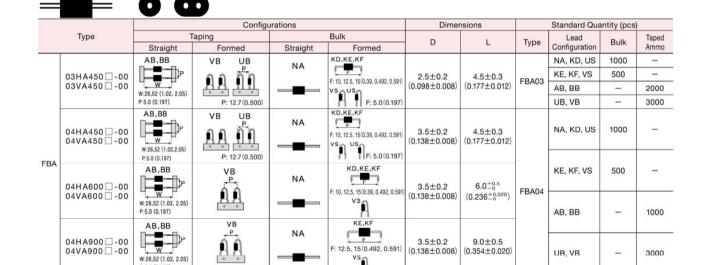
①Internal code	
Code	Internal code
-00	Standard

■STANDARD EXTERNAL DIMENSIONS / STANDARD QUANTITY

 $\downarrow^{\Phi D}$ \vdash \vdash \vdash \vdash

P:5.0 (0.197)

⊢ L→



F: 12.5, 15(0.492, 0.591)

vs

(0.138±0.008)

(0.354±0.020)

UB, VB

3000

This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our product specification sheets. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our website (http://www.ty-top.com/)

1			Configu	Dimensions		Standard Quantity (pcs)						
	Type	Taping		Bulk		D	1	Type	Lead	Bulk	Taped	
		Straight	Formed	Straight Formed			_	Турс	Configuration	Duik	Ammo	
	05VA121 □ -00	_	SA P	-	NA .	5.0 max. (0.197 max.)	7.5 (0.295)	FBR05	NA	1000		
			P: 12.7(0.500)		F: 2.5(0.098)				SA	1=.	2000	
3	06HA850NA-00 06VA850NA-00 FBR 06HA121NA-00 06VA121NA-00		-	(j-1)	NA C	6.0±0.5 (0.236±0.020)	5.0 (0.197)	- FBR06	NA	1000	-	
FBR		37-01			F: 2.5 (0.098)		7.0 (0.276)					
	07HA850 -00 07VA850 -00	50.5		SB,TB		NB	7.5±0.5	5.5 (0.217)		NB	1000	
	07HA121 □ -00 07VA121 □ -00		P: 12.7(0.500) H: SB 18 ^{+2.0} TB 16 ±0.5	F: 5.0(0.197)	(0.295±0.020)	7.5 (0.295)	FBR07	SB, TB	7-0	2000		

Unit:mm(inch)

☐Please specify the lead configuration code.

Note: Lead diameter (ϕ d) shall fall within a range of 0.65mm±0.05mm, FBR07 types however, will have a lead diameter (ϕ d) range of 0.6mm±0.05mm.

■PARTS NUMBER

FBA

Parts number EH		Nominal impedance [Ω] (min.)	Impedance measuring frequency [MHz]			current max.)	DC Resistance	Rated current
Parts Humber Lins	Material		Material		[Ω] (max.)	$[M\Omega]$ (min.)		
	HA		VA	HA	VA			
FBA03△450∏-00	RoHS	35	50	100	7.0	7.0	0.01	1.0
FBA04△450∐-00	RoHS	45	50	100	7.0	7.0	0.01	1.0
FBA04△600∐-00	RoHS	60	50	100	7.0	7.0	0.01	1.0
FBA04△900∏-00	RoHS	90	50	100	7.0	7.0	0.01	1.0

FBR

		Nominal impedance	Impedance measuring frequency [MHz]		Rated current [A] (max.)		DC Resistance	Rated current	
i ai ta ilaliboi	Parts number End	[Ω] (min.)	Material		Material		[Ω] (max.)	$[M\Omega]$ (min.)	
		[32] (min.)	HA	VA	HA	VA			
FBR05VA121 -00	RoHS	120	-	100	-	7.0	0.01	1.0	
FBR06△850NA-00	R₀HS	85	50	100	7.0	7.0	0.01	1.0	
FBR06△121NA-00	RoHS	120	50	100	7.0	7.0	0.01	1.0	
FBR07△850□-00	RoHS	85	50	100	7.0	7.0	0.01	1.0	
FBR07△121□-00	RoHS	120	50	100	7.0	7.0	0.01	1.0	

 $\ensuremath{\mathbb{X}}\Delta \mbox{Please}$ specify material codes (HA,VA) and [] lead configuration code.

[▶] This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our product specification sheets. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our website (http://www.ty-top.com/).

LEADED FERRITE BEAD INDUCTORS (FB SERIES A TYPE / R TYPE)

■ PACKAGING

1 Minimum Quantity

Axial lead (FBA)

		Standard quantity [pcs]		
Type	Lead Configuration	Bulk	Taped	
		Duik	Ammo	
	NA, KD, US	1000	_	
FBA03	KE, KF, VS	500	_	
FBA03	AB, BB	ı	2000	
	UB, VB	1	3000	
FBA04	NA, KD, US	1000	_	
	KE, KF, VS	500	_	
	AB, BB	ı	1000	
	VB, UB	_	3000	

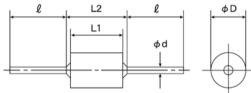
Radial lead (FBR)

		Standard quantity [pcs]			
Type	Lead Configuration	D. II.	Taped		
		Bulk	Ammo		
EDDOE	NA	1000	_		
FBR05	SA	_	2000		
FBR06	NA	1000	_		
EDD07	NB	1000	_		
FBR07	SB, TB	_	2000		

2 Bulk dimensions

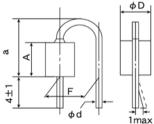
Axial lead (FBA)

NA



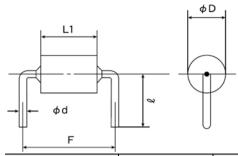
		Dimensions		
ΦD	L1	L2	ϕ d	Q
2.5±0.2	4.5±0.3	6.5 max.		
(0.098 ± 0.008)	(0.177 ± 0.012)	(0.256 max.)		
3.5 ± 0.2	4.5±0.3	6.5 max.		
(0.138 ± 0.008)	(0.177 ± 0.012)	(0.256 max.)	0.65 ± 0.05	18 min.
3.5 ± 0.2	6.0 + 0.5 / -0	8.5 max.	(0.026 ± 0.002)	(0.709 min.)
(0.138 ± 0.008)	(0.236+0.020/-0)	(0.335 max.)		
3.5 ± 0.2	9.0±0.5	11.0 max.		
(0.138 ± 0.008)	(0.354 ± 0.020)	(0.433 max.)		
	2.5±0.2 (0.098±0.008) 3.5±0.2 (0.138±0.008) 3.5±0.2 (0.138±0.008) 3.5±0.2	$\begin{array}{cccc} 2.5 \pm 0.2 & 4.5 \pm 0.3 \\ (0.098 \pm 0.008) & (0.177 \pm 0.012) \\ 3.5 \pm 0.2 & 4.5 \pm 0.3 \\ (0.138 \pm 0.008) & (0.177 \pm 0.012) \\ 3.5 \pm 0.2 & 6.0 + 0.5 / -0 \\ (0.138 \pm 0.008) & (0.236 + 0.020 / -0) \\ 3.5 \pm 0.2 & 9.0 \pm 0.5 \end{array}$	$\begin{array}{c ccccc} \phi D & L1 & L2 \\ \hline 2.5 \pm 0.2 & 4.5 \pm 0.3 & 6.5 \text{ max.} \\ \hline (0.098 \pm 0.008) & (0.177 \pm 0.012) & (0.256 \text{ max.}) \\ \hline 3.5 \pm 0.2 & 4.5 \pm 0.3 & 6.5 \text{ max.} \\ \hline (0.138 \pm 0.008) & (0.177 \pm 0.012) & (0.256 \text{ max.}) \\ \hline 3.5 \pm 0.2 & 6.0 + 0.5 / - 0 & 8.5 \text{ max.} \\ \hline (0.138 \pm 0.008) & (0.236 + 0.020 / - 0) & (0.335 \text{ max.}) \\ \hline 3.5 \pm 0.2 & 9.0 \pm 0.5 & 11.0 \text{ max.} \\ \hline \end{array}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$





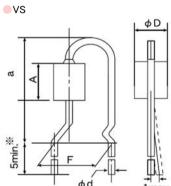
Turna	Dimensions						
Type	ϕ D	Α	а	F	ø d		
FBA03□450	2.5±0.2	4.5±0.3	9.0 max.				
FBA03 1400	(0.098 ± 0.008)	(0.177±0.012)	(0.354 max.)	5.0±1.0	0.65±0.05		
	3.5±0.2	4.5±0.3	9.0 max.	(0.197 ± 0.039)	(0.026 ± 0.002)		
FBA04□450	(0.138 ± 0.008)	(0.177±0.012)	(0.354 max.)				
					Unit:mm(inch)		

This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (http://www.ty-top.com/).



T	Land Complete	Dimensions						
Туре	Lead Symbol	ϕ D	F	L1	ø d	Q		
FBA03□450		2.5±0.2	10.0±1.0	4.5±0.3		7.0±2.0		
FBA03 🗆 430		(0.098 ± 0.008)	(0.394 ± 0.039)	(0.177 ± 0.012)		(0.276 ± 0.079)		
FBA04□450	KD	3.5±0.2	10.0±1.0	4.5±0.3	0.65 ± 0.05	7.5±2.0		
FBA04 🗆 430	ND	(0.138 ± 0.008)	(0.394 ± 0.039)	(0.177 ± 0.012)	(0.026 ± 0.020)	(0.295 ± 0.079)		
FBA04□600		3.5±0.2	10.0±1.0	6.0 + 0.5 / -0		7.5±2.0		
FBA04 🗆 000		(0.138 ± 0.008)	(0.394 ± 0.039)	(0.236+0.020/-0)		(0.295±0.079)		
FBA03□450		2.5±0.2	12.5±1.0	4.5±0.3		7.0±2.0		
FBA03 🗆 430		(0.098 ± 0.008)	(0.492 ± 0.039)	(0.177 ± 0.012)		(0.276 ± 0.079)		
FBA04□450		3.5±0.2	12.5±1.0	12.5±1.0 4.5±0.3		7.5±2.0		
FBA04 🗆 430	KE	(0.138 ± 0.008)	(0.492 ± 0.039)	(0.177 ± 0.012)	0.65 ± 0.05	(0.295 ± 0.079)		
FBA04□600	NE.	3.5±0.2	12.5±1.0	6.0 + 0.5 / -0	(0.026 ± 0.020)	7.5±2.0		
FBA04□000		(0.138 ± 0.008)	(0.492 ± 0.039)	(0.236+0.020/-0)		(0.295 ± 0.079)		
FBA04□900		3.5 ± 0.2	12.5 ± 1.0	9.0 ± 0.5		7.5±2.0		
FBA04 🗆 300		(0.138 ± 0.008)	(0.492 ± 0.039)	(0.354 ± 0.020)		(0.295±0.079)		
FBA03□450		2.5±0.2	15.0±1.0	4.5±0.3		7.0±2.0		
FBA03 🗆 430		(0.098 ± 0.008)	(0.591 ± 0.039)	(0.177 ± 0.012)		(0.276 ± 0.079)		
FBA04□450		3.5±0.2	15.0±1.0	4.5±0.3		7.5±2.0		
FBA04 🗆 430	KF	(0.138 ± 0.008)	(0.591 ± 0.039)	(0.177 ± 0.012)	0.65 ± 0.05	(0.295 ± 0.079)		
FBA04□600	KF	3.5±0.2	15.0±1.0	6.0 + 0.5 / -0	(0.026 ± 0.020)	7.5±2.0		
FBA04L1000		(0.138 ± 0.008)	(0.591 ± 0.039)	(0.236+0.020/-0)		(0.295 ± 0.079)		
FBA04□900		3.5±0.2	15.0±1.0	9.0±0.5		7.5±2.0		
FBA04L1300		(0.138 ± 0.008)	(0.591 ± 0.039)	(0.354 ± 0.020)		(0.295 ± 0.079)		

Unit:mm(inch)

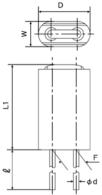


1max	※ 5±1	for	900	type	only
------	--------------	-----	-----	------	------

Type	Dimensions							
туре	ΦD	Α	а	F	ϕ d			
FBA03□450	2.5±0.2	4.5±0.3	12.5 max.	5.0±1.0	0.65±0.05			
	(0.098±0.008)	(0.177±0.012)	(0.492 max.)	(0.197±0.039)	(0.026±0.002)			
FBA04□450	3.5±0.2	4.5±0.3	12.5 max.	5.0±1.0	0.65±0.05			
	(0.138±0.008)	(0.177±0.012)	(0.492 max.)	(0.197±0.039)	(0.026±0.002)			
FBA04□600	3.5±0.2	6.0+0.5/-0	12.5 max.	5.0±1.0	0.65±0.05			
	(0.138±0.008)	(0.236+0.020/-0)	(0.492 max.)	(0.197±0.039)	(0.026±0.002)			
FBA04□900	3.5±0.2	9.0±0.5	16.0 max.	5.0±1.0	0.65±0.05			
	(0.138±0.008)	(0.354±0.020)	(0.630 max.)	(0.197±0.039)	(0.026±0.002)			

This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (http://www.ty-top.com/).

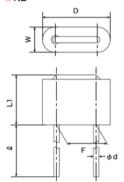
Radial lead (FBR) NA



T	Dimensions								
Туре	D	L1	ϕ d	Q	W	F			
FBR05VA121	5.0 max.	9.0 max.	0.65±0.05	10.0 + 3/-5	2.5 max.	2.5±1.0			
FDRUSVATZT	(0.197 max.)	(0.354 max.)	(0.026 ± 0.002)	(0.394+0.118/-0.197)	(0.098 max.)	(0.098 ± 0.039)			
FBR06□850	6.0±0.5	7.0 max.	0.65±0.05	10.0+3/-5	3.0±0.5	2.5±1.0			
FBK00□800	(0.236 ± 0.020)	(0.276 max.)	(0.026 ± 0.002)	(0.394+0.118/-0.197)	(0.118 ± 0.020)	(0.098 ± 0.039)			
FBR06□121	6.0±0.5	9.0 max.	0.65±0.05	10.0+3/-5	3.0±0.5	2.5±1.0			
FDRUULIZI	(0.236 ± 0.020)	(0.354 max.)	(0.026 ± 0.002)	(0.394+0.118/-0.197)	(0.118 ± 0.020)	(0.098 ± 0.039)			

Unit:mm(inch)

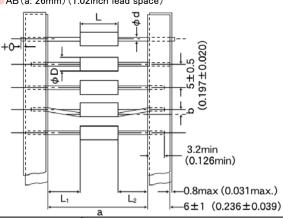




Туре	Dimensions							
туре	D	L1	ø d	Q	W	F		
FBR07□850	7.5±0.5	7.0 max.	0.6±0.05	5.0+1/-2	2.5 max.	5.0+1/-0.5		
	(0.295±0.020)	(0.276 max.)	(0.024±0.002)	(0.197+0.039/-0.079)	(0.098 max.)	(0.197+0.039/-0.020)		
FBR07□121	7.5±0.5	9.0 max.	0.6±0.05	5.0+1/-2	2.5 max.	5.0+1/-0.5		
	(0.295±0.020)	(0.354 max.)	(0.024±0.002)	(0.197+0.039/-0.079)	(0.098 max.)	(0.197+0.039/-0.020)		

This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (http://www.ty-top.com/).

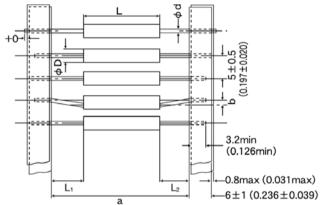
AB (a: 26mm) (1.02inch lead space)



Type		Dimensions							
туре	ϕ D	L	а	b	$ L_1-L_2 $	ϕ d	pitch		
FBA03	2.5±0.2	4.5±0.3	26.0+1.5/-0	0.8max	1.0 max	0.65 ± 0.05	10.0		
FBA03	(0.098 ± 0.008)	(0.177±0.012)	(1.02+0.059/-0)	(0.031max)	(0.039 max)	(0.026 ± 0.002)	(0.394)		
FBA04□450		4.5±0.3	26.0+1.5/-0	0.8max	1.0 max	0.65 ± 0.05	10.0		
FBA04∐430		(0.177±0.012)	(1.02+0.059/-0)	(0.031max)	(0.039 max)	(0.026 ± 0.002)	(0.394)		
FBA04□600	3.5 ± 0.2	6.0+0.5/-0	26.0+1.5/-0	0.8max	1.0 max	0.65±0.05	10.0		
FBA04□000	(0.138 ± 0.008)	(0.236 + 0.020 / -0)	(1.02+0.059/-0)	(0.031max)	(0.039 max)	(0.026 ± 0.002)	(0.394)		
FBA04□900		9.0±0.5	26.0+1.5/-0	0.8max	1.0 max	0.65±0.05	12.5		
FBA04 🗆 900		(0.354 ± 0.020)	(1.02+0.059/-0)	(0.031max)	(0.039 max)	(0.026 ± 0.002)	(0.492)		

Unit:mm(inch)

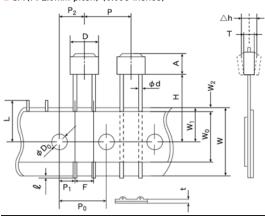
BB(a: 52mm) (2.05inches lead space)



Type		Dimensions							
туре	ϕ D	L	а	b	L ₁ -L ₂	ϕ d	pitch		
FBA03	2.5±0.2	4.5±0.3	52.0 + 2/-1	1.2 max	1.0 max	0.65 ± 0.05	10.0		
PDA03	(0.098 ± 0.008)	(0.177±0.012)	(2.05 + 0.079 / -0.039)	(0.047 max)	(0.039 max)	(0.026 ± 0.002)	(0.394)		
FBA04□450		4.5±0.3	52.0+2/-1	1.2max	1.0 max	0.65±0.05	10.0		
FBA04∐430		(0.177±0.012)	(2.05 + 0.079 / -0.039)	(0.047max)	(0.039 max)	(0.026 ± 0.002)	(0.394)		
FBA04□600	3.5 ± 0.2	6.0 + 0.5 / -0	52.0 + 2/-1	1.2max	1.0 max	0.65 ± 0.05	10.0		
FBA04□000	(0.138 ± 0.008)	(0.236 + 0.020 / -0)	(2.05 + 0.079 / -0.039)	(0.047 max)	(0.039 max)	(0.026 ± 0.002)	(0.394)		
FBA04□900		9.0±0.5	52.0+2/-1	1.2max	1.0 max	0.65±0.05	12.5		
FDAU4 1900		(0.354 ± 0.020)	(2.05+0.079/-0.039)	(0.047 max)	(0.039 max)	(0.026 ± 0.002)	(0.492)		

This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (http://www.ty-top.com/).

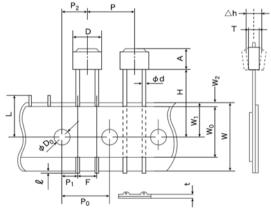
SA(F: 2.5mm pitch) (0.098 inches)



Туре	Symbol	Dimensions	Symbol	Dimensions	Symbol	Dimensions
	Α	121: 9.0 max. (0.354 max.)	P ₂	6.35±1.3 (0.250±0.051)	Q	1.0 max. (0.039 max.)
	Т	2.5 max. (0.098 max.)	F	2.5+1.0/-0.5 (0.098+0.039/-0.020)	ϕ_{D_0}	4.0±0.3 (0.157±0.012)
	D	5.0 max. (0.197 max.)	Δh	0.0±2.0 (0.0±0.079)	ø d	0.65±0.05 (0.026±0.002)
FBR05	Н	18.0+2.0/-0 (0.709+0.079/-0)	W	18.0+1.0/-0.5 (0.709+0.039/-0.020)	L	11.0 max. (0.433 max.)
	Р	12.7±1.0 (0.500±0.039)	W ₀	12.5 min. (0.492 min.)	t	0.7±0.2 (0.028±0.008)
	P ₀	12.7±0.3 ^{*1} (0.500±0.012)	W ₁	9.0+0.75/-0.5 (0.354+0.030/-0.020)		Unit: mm(inch)
	P ₁	5.1±0.7 (0.201±0.028)	W ₂	3.0 max. ^{※2} (0.118 max.)		

^{※1} Accumulated error for 20 pitches is ±2mm.

SB/TB(F: 5mm pitch) (0.197 inches)



Туре	Symbol	Dimensions	Symbol	Dimensions	Symbol	Dimensions
	A	121: 9.0 max. (0.354 max.)	P ₀	12.7±0.3 ^{*1} (0.500±0.012)	W_1	9.0+0.75/-0.5 (0.354+0.039/-0.020)
	A	850: 7.0 max. (0.276 max.)	P ₁	3.85±0.8 (0.152±0.028)	W ₂	3.0 max. ^{※2} (0.118 max.)
	Т	2.5 max. (0.098 max.)	P ₂	6.35±1.3 (0.250±0.051)	Q	1.0 max. (0.039 max.)
FBR07	D	7.5±0.5 (0.925±0.020)	F	5.0+1.0/-0.5 (0.197+0.039/-0.020)	ϕ_{D_0}	4.0±0.3 (0.157±0.012)
	11	SB: 18.0+2.0/-0 (0.709+0.079/-0)	Δh	0.0±2.0 (0.0±0.079)	ø d	0.6±0.05 (0.024±0.002)
	Н	TB: 16.0±0.5 (0.630±0.020)	W	18.0+1.0/-0.5 (0.709+0.039/-0.020)	L	11.0 max. (0.433 max.)
	Р	12.7±1.0 (0.500±0.039)	W ₀	12.5 min. (0.492 min.)	t	0.7±0.2 (0.028±0.008)
					•	Unit: mm(inch)

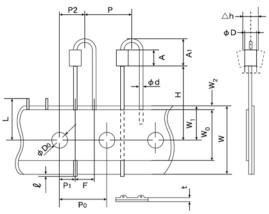
³¹ Accumulated error for 20 pitches is ± 2 mm.

 $[\]frak{\times}2$ Bonding tape must not protrude from the base tape.

 $[\]frak{\%}2$ Bonding tape must not protrude from the base tape.

This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (http://www.ty-top.com/).

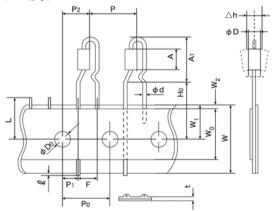




Туре	Symbol	Dimensions	Symbol	Dimensions	Symbol	Dimensions
A A₁ A₁ FBA03□450 FBA04□450 H P	Α	4.5±0.3 (0.177±0.012)	P ₁	3.85±0.8 (0.152±0.032)	W ₂	3.0 max. ^{※2} (0.118 max.)
	A ₁	9.0 max. (0.354 max.)	P ₂	6.35±1.3 (0.250±0.051)	Q	1.0 max. (0.039 max.)
	45	03: 2.5±0.2 (0.098±0.008)	F	5.0±1.0 (0.197±0.039)	ϕ D $_{0}$	4.0±0.3 (0.157±0.012)
	φυ	04: 3.5±0.2 (0.138±0.008)	Δh	0.0±2.0 (0.0±0.079)	ϕ d	0.65±0.05 (0.026±0.002)
	Н	20.0+0.5/-1.0 (0.787+0.020/-0.039)	W	18.0 + 1.0 / -0.5 $(0.709 + 0.039 / -0.020)$	L	11.0 max. (0.433 max.)
	Р	12.7±1.0 (0.500±0.039)	W ₀	12.5 min. (0.492 min.)	t	0.7±0.2 (0.028±0.008)
	P ₀	12.7±0.3 **1 (0.500±0.012)	W ₁	9.0+0.75/-0.5 (0.354+0.030/-0.020)		Unit: mm(inch)

^{※1} Accumulated error for 20 pitches is ±2mm.

●VB 形状



Туре	Symbol	Dimensions	Symbol	Dimensions	Symbol	Dimensions
		450: 4.5±0.3 (0.177±0.012)	Р	12.7±1.0 (0.500±0.039)	W ₁	9.0+0.75/-0.5 (0.354+0.030/-0.020)
	Α	600: 6.0+0.5/-0 (0.236+0.020/-0)	P ₀	12.7±0.3 ^{**1} (0.500±0.012)	W ₂	3.0 max. ^{※2} (0.118 max.)
FBA03□450 FBA04□450 FBA04□600 FBA04□900		900: 9.0±0.5 (0.354±0.020)	P ₁	3.85±0.8 (0.152±0.032)	Q	1.0 max. (0.039 max.)
	Δ.	450: 12.5 max. 600: (0.492 max.)	P ₂	6.35±1.3 (0.250±0.051)	¢ D₀	4.0±0.3 (0.157±0.012)
	Α ₁	900: 16.0 max. (0.630 max.)	F	5.0±1.0 (0.197±0.039)	ϕ d	0.65 ± 0.05 (0.026 ± 0.002)
	\$	03: 2.5±0.2 (0.098±0.008)	Δh	0.0±2.0 (0.0±0.079)	L	11.0 max. (0.433 max.)
	φυ	04: 3.5±0.2 (0.138±0.008)	W	18.0 + 1.0 / -0.5 $(0.709 + 0.039 / -0.020)$	t	0.7±0.2 (0.028±0.008)
	H ₀	16.0±0.5 (0.650±0.020)	Wo	12.5 min. (0.492 min.)		単位: mm(inch)

^{※1} Accumulated error for 20 pitches is ±2mm.

 $[\]frak{\times}2$ Bonding tape must not protrude from the base tape.

 $[\]divideontimes$ 2 Bonding tape must not protrude from the base tape.

This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (http://www.ty-top.com/).

AXIAL LEADED INDUCTORS(CAL Type), RADIAL LEADED INDUCTORS(LH Type), LEADED FERRITE BEAD INDUCTORS(FB Series A Type/R Type)

	DATA

1. Operating temper	ature Range							
	CAL45 Type							
Specified Value	LHL 🗆 🗆 🗆	−25~+ 105°C						
	FBA/FBR							
	CAL45 Type							
Test Methods and Remarks	LHLOOO	Including self-generated heat						
Remarks	FBA/FBR							
2. Storage temperat	ure Range							
	CAL45 Type							
Specified Value	LHLOOO	-40∼+ 85°C(Except for taping condition)						
	FBA/FBR							
3. Rated current								
	CAL45 Type							
Specified Value		Within the specified tolerance						
•	FBA/FBR							
	CAL45 Type:							
Test Methods and Remarks	The maximum DC value having inductance within 10% and temperature increase within 40°C by the application of DC bias. LHL : The maximum DC value having inductance decrease within 10% (LHLC08, LHLC10: within 30%) and temperature increase within following specified temperature by the application of DC bias. Reference temperature : 25°C (LHL08, LHL10)							
	: 40°C (LHLC08, LHLC10) FBA/FBR: No disconnection or appearance abnormality by continuous current application for 30 min. Change after the application shall be within ±20% of the initial value. This is not guaranteed for electrical characteristics during current application.							
4. Impedance								
	CAL45 Type							
Specified Value	LHLOOO							
	FBA/FBR	Within the specified tolerance						
Test Methods and Remarks	FBA/FBR: Measuring equipment : Impedance and Measuring frequency : Specified frequency	alyzer (HP4191A) or its equivalent uency						
5. Inductance								
	CAL45 Type	Within the specified tolerance						
Specified Value	LHLOOO	within the specified tolerance						
	FBA/FBR							
Test Methods and Remarks	Measuring frequency : Specified frequency :							
		P4285A+HP42851A or its equivalent) P4263A) or its equivalent (at 1kHz)						
	Measuring frequency : Specified frequency							

This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (http://www.ty-top.com/).

6. Q									
0. Q	CAL 45 T			I					
0 'C 1)/ 1	CAL45 T			AAC: L					
Specified Value				VVILIII	Within the specified tolerance				
	FBA/FB								
Test Methods and	LHL	I∐ ing equipment	· I CR meter (H	D4285A	\+HP42851A or it	c 6011	uivalent)		
Remarks	Wicasui	ing equipment			A) or its equivalent				
	Measur	ing frequency	: Specified freq	uency					
7. DC Resistance									
	CAL45 Type								
Specified Value	LHL	I 🗆		Withir	n the specified tole	rance	e		
	FBA/FB	R							
Test Methods and Remarks	Measur	ing equipment	: DC ohmmeter						
8. Self resonance fr	equency								
	CAL45 T	ype							
Specified Value	LHL			Withir	n the specified tole	rance	e		
	FBA/FBR								
Test Methods and									
Remarks	Measuring equipment : (HP4191A, 4192A) its equivalent								
9. Temperature cha	racteristic								
	CAL45 Type								
Specified Value	LHLOOO			ΔL/l	L:Within ±7%				
	FBA/FB	R							
	Change of maximum inductance deviation in				to 5				
	Step		Temperature (
Test Methods and	1		20						
Remarks	2	Mi	nimum operating te	mperat	ure				
	3		20 (Standard temp		·				
	4	Ma	aximum operating to	emperature					
	5		20						
40 T II									
10. Tensile strength	ı	_		1					
	CAL45 T			No abnormality such as cut lead, or looseness.					
Specified Value	LHL								
	FBA/FB								
			tated tensile force	progres	ssively in the direct	ion to	o draw terminal.		
		force (N) 10	duration (s)						
Test Methods and			ated tensile force p	orogress	sively in the directi	on to	draw terminal.		
	No	ominal wire diamet	er tensile ϕ d (mm)		force (N)		duration (s)]	
Remarks		0.3 < ¢			5				
		$0.5 < \phi$ $0.8 < \phi$			10 25		30±5		
	FBA/FR	· · · · · · · · · · · · · · · · · · ·		fixed a		f 20+	│ 上1N shall be applied to the	lead wire in the	axial direction
	. 5, 0, 1 5	=	onent during 10±1			0_	onan so applica to the		axia, an oocion
	·								

[▶] This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (http://www.ty-top.com/).

11. Over current			T					
	CAL45 Type			No emission of smoke no firing.				
Specified Value	LHL000			There shall be no scorch or short of wire. LHLC08, LHLC10 : There shall be no firing.				
	FBA/FBR							
	LHL□□□•CAL45 Type							
Test Methods and Remarks	Measuring current	Measuring current : Rated current × 2 Duration : 5 min.						
Remarks	Number of measuring	: one time						
12. Terminal strengt	th : bending							
	CAL45 Type							
Specified Value	LHL			abnormality such as cut le	ad, or looseness.			
	FBA/FBR							
	CAL45 Type :							
					he body through the angle of 90 degrees and return it to the			
	Number of bends : Two tir		perioc	d of 2-3 sec. Then second	bend in the opposite direction shall be made.			
	Nominal wire diameter	Bending force		Mass reference				
	tensile			weight				
	$0.3 < \phi \text{ d} \leq 0.5$ $0.5 < \phi \text{ d} \leq 0.8$	2.5 5		0.25 0.50				
Test Methods and	0.5 < ψ d <u>=</u> 0.6	<u> </u>		0.30				
Remarks	LHL□□□•FBA/FBR:							
					he body through the angle of 90 degrees and return it to the			
	Number of bends : Two tir		period	d of 2-3 sec. Then second	bend in the opposite direction shall be made.			
	Nominal wire diameter			Mass reference				
	tensile	Bending force	•	weight				
	0.3< ¢d≤0.5	2.5		0.25				
	$ 0.5 < \phi d \le 0.8 0.8 < \phi d \le 1.2 $	5 10		0.5 1.0				
	0.0 (\$40 = 1.2			1.0				
13 Insulation resist	ance : between the terminal	s and body						
101 1100100	CAL45 Type	- aa 20a,						
Specified Value			100	DM Ω min.				
·	FBA/FBR							
			Į.					
Test Methods and Remarks	Applied voltage : 500 VDC							
	Duration : 60 sec.							
14. Insulation resist	ance : between terminals an	d core	T					
0 '6 1)/ 1	CAL45 Type							
Specified Value			1110					
	FBA/FBR		1MΩ min.					
Test Methods and	FBA/FBR: Applied voltage: 100	VDC						
Remarks		±5 sec.						
15. Withstanding : b	etween the terminals and bo	ody						
	CAL45 Type							
Specified Value			No abnormality such as insulation damage					
	FBA/FBR							
	LHLOOO:							
Test Methods and	According to JIS C5101- Metal global method	1.						
Remarks	_	VDC						
	Duration : 60 s	sec.						

This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (http://www.ty-top.com/).

16. DC bias charact	teristic	
	CAL45 Type	ΔL/L: Within -10%
Specified Value	LHL000	
	FBA/FBR	
Test Methods and Remarks	CAL45 Type : Measure inductance with appli	cation of rated current using LCR meter to compare it with the initial value.
17. Body strength		
	CAL45 Type	No abnormality as damage.
Specified Value	LHL000	
	FBA/FBR	No abnormality such as cracks on body.
Test Methods and Remarks	CAL45 Type: Applied force :50N Duration : 10 sec. Speed : Shall attain to specified for FBA: Applied force : 50±3N Duration : 30±1 sec. Press Pressing jig Specimen	rce in 2 sec.
18. Resistance to v	ibration	
	CAL45 Type	Δ L/L: Within $\pm 5\%$
Specified Value	LHLOOO	Appearance : No abnormality $\Delta L/L$: Within $\pm 5\%$ Q change : Within $\pm 30\%$
	FBA/FBR	Appearance : No abnormality Impedance change : Within $\pm 20\%$
Test Methods and Remarks	Frequency range : 10 to 55 to 10Hz (Amplitude : 1.5mm Mounting method : Soldering onto print in the second in th	nted board. overy under the standard condition after the test, followed by the measurement within 2hrs. and Z directions total: 6hrs. (1min.)

19. Resistance to shock					
	CAL45 Type		No significant abnormality in appearance		
Specified Value	LHL				
	FBA/FBR				
Test Methods and Remarks	CAL45 Type: Drop test Impact material : concrete or v Height : 1m Total number of drops : 10 times		inyl tile		

[►] This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (http://www.ty-top.com/).

20. Solderability	1				
	CAL45 Type		At least 7	5% of terminal electrode is covered by new solder.	
Specified Value			At least 7	5% of terminal electrode is covered by new solder.	
	FBA/FBR		At least 90% of terminal electrode is covered by new solder.		
Test Methods and Remarks	CAL45 Type: Solder temperature : 230±5°C Duration : 2±0.5 sec. LHL□□□ : Solder temperature : 235±5°C Duration : 2±0.5 sec. Immersion depth : Up to 1.5mm from FBA/FBR: Solder temperature : 230±5°C Duration : 3±1 sec. Immersion depth : Up to 1.5mm from FDA/FBR: Solder temperature : 230±5°C Duration : 3±1 sec. Immersion depth : Up to 1.5mm from From From Form From From From From F				
21. Resistance to s	oldering heat				
	CAL45 Type		ΔL/L : W	ithin ±5%	
Specified Value	LHLOOO		No significant abnormality in appearance Inductance change: Within ±5% Q change: Within ±30%		
	FBA/FBR		No significant abnormality in appearance Impedance change : Within $\pm 20\%$		
	CAL45 Type: Solder temperature Duration Immersed conditions Recovery		One time substrate with t=1.6mm of recovery under the standard condition after the test, followed by the measurement within		
Test Methods and Remarks	LHL : Solder bath method : Solder temper Duration Manual soldering : Solder temper Duration Caution			: 260±5°C : 10±1 sec. : Up to 1.5mm from the bottom of case. : 350±10°C (At the tip of soldering iron) : 5±1 sec. : Up to 1.5mm from the bottom of case. : No excessive pressing shall be applied to terminals.	
	FBA/FBR : Solder bath method: Condition 1:	Recovery Solder temper	ature	: 1 to 2hrs of recovery under the standard condition after the test. $: 260 \pm 5^{\circ}\text{C}$	
	Duration Immersion dep Condition 2 : Solder temper Duration Immersion dep Recovery		oth ature	: 10±1 sec. : Up to 1.5mm from the terminal root. : 350±5°C : 3±1 sec. : Up to 1.5mm from the terminal root. : 3hrs of recovery under the standard condition after the test.	
22. Resistance to s	olvent				
	CAL45 Type		Please ave	oid the ultrasonic cleaning of this product.	
Specified Value	LHL				
Specified Value	FBA/FBR		No significant abnormality in appearance Impedance change: Within ±20%		
Test Methods and Remarks	FBA/FBR: Solvent temperature : 20~25°C Duration : 30±5 sec. Solvent type : Acetone Recovery : 3hrs of recover		under the s	standard condition after the test.	

[►] This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (http://www.ty-top.com/).

23. Thermal shock CAL45 Type $\Delta L/L$: Within $\pm 10\%$ Appearance: No abnormality LHL 🗆 🗆 🗆 Inductance change: Within ±10% Specified Value Q change: Within ±30% Appearance: No abnormality FBA/FBR Impedance change: Within ±20% CAL45 Type: Conditions for 1cycle Duration (min.) Step Temperature (°C) -25+0/-330±3 2 Within 3 Room temperature 3 +85+2/-030±3 4 Room temperature Within 3 Number of cycles : 5 cycles : At least 1hr of recovery under the standard condition after the removal from test chamber, followed by the Recovery measurement within 2hrs. Test Methods and LHL . FBA/FBR: According to JIS C60068-2-14. Remarks Conditions for 1 cycle Step Temperature (°C) Duration (min.) 1 Minimum operating temperature 30 ± 3 2 Room temperature Within 3 30 ± 3 3 Maximum operating temperature 4 Room temperature Within 3 Number of cycles : 10 cycles (LHL : 5 cycles (FBA/ FBR) Recovery : 1 to 2hrs of recovery under the standard condition after the removal from the test chamber. [LHL : 3hrs of recovery under the standard condition after the removal from the test chamber. (FBA/FBR)

24. Damp heat			
	CAL45 Type		Δ L/L: Within $\pm 10\%$
Specified Value	LHL 🗆 🗆 🗆		
opeomed value	FBA/FBR		Appearance: No abnormality Impedance change: Within ±20%
Test Methods and Remarks	CAL45 Type: Temperature : 40±2°C Humidity : 90~95%RH Duration : 1000 hrs		ry under the standard removal from test chamber, followed by the measurement within 2hrs.

25. Loading under damp heat						
20. Loading direct d	CAL45 Type		ΔL/L: Within ±10%			
	OAL43 Type					
Specified Value			Appearance : No abnormality Inductance change : Within ±10%			
Specified value			Q change: Within ±30%			
	FBA/FBR					
	CAL45 Type :					
	Temperature	: 40±2°C				
	Humidity	: 90~95%RH				
	Duration : 1000 hrs					
Test Methods and Remarks	Applied current	: Rated current				
	Recovery : At least 1hr of recover		y under the standard removal from test chamber, followed by the measurement within 2hrs.			
	Temperature : 40±2°C					
	Humidity	: 90~95%RH				
	Duration	: 1000 + 48/-0 hrs				
	Applied current	: Rated current	and an all an alternative and a small below after a file and a small below a file at a second and			
	Recovery	: I to Znrs of recovery u	inder the standard condition after the removal from the test chamber.			
00.1						
26. Loading at high	-					
_	CAL45 Type		ΔL/L: Within ±10%			
Specified Value	LHLOOO					
	FBA/FBR					
	CAL45 Type:	05 1 000				
Test Methods and	Temperature Duration	: 85±2°C : 1000 hrs				
Remarks	Applied current	: Rated current				
	Recovery : At least 1hr of recovery under the standard removal from test chamber, followed by the measurement within 2hrs					
27. Low temperature	e life test					
	CAL45 Type		Δ L/L: Within ± 10 %			
			Appearance : No abnormality			
Specified Value	LHLOOO		Inductance change : Within ±10%			
			Q change : Within ±30%			
	FBA/FBR					
	CAL45 Type:					
	Temperature	: −25±2°C				
Took Mothada and	Duration	: 1000 hrs				
Test Methods and Remarks	Recovery LHL□□□ :	: At least thr of recover	y under the standard removal from test chamber, followed by the measurement within 2hrs.			
	Temperature	:-40±3°C				
	Duration	: 1000+48/-0 hrs				
	Recovery	: 1 to 2hrs of recovery u	inder the standard condition after the removal from the test chamber.			
28. High temperatur	e life test					
	CAL45 Type					
			Appearance : No abnormality			
Specified Value	LHL 🗆 🗆 🗆		Inductance change: Within ±10%			
			Q change: Within ±30%			
	FBA/FBR					
-		405 L 0 ⁰ 0				
Test Methods and Remarks	Temperature Duration	: 105±2°C : 1000+48/-0 hrs				
I GIIIai No	Recovery		under the standard condition after the removal from the test chamber.			
	· · · · · · · · · · · · · · · · · · ·	, -				

[►] This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (http://www.ty-top.com/).

AXIAL LEADED INDUCTORS(CAL Type), RADIAL LEADED INDUCTORS(LH Type), LEADED FERRITE BEAD INDUCTORS(FB Series A Type/R Type)

PRECAUTIONS

1. Circuit Design Operating environment 1. The products described in this specification are intended for use in general electronic equipment, (office supply equipment, telecommunications systems, measuring equipment, and household equipment). They are not intended for use in mission-critical Precautions equipment or systems requiring special quality and high reliability (traffic systems, safety equipment, aerospace systems, nuclear control systems and medical equipment including life-support systems,) where product failure might result in loss of life, injury or damage. For such uses, contact TAIYO YUDEN Sales Department in advance. 2. PCB Design **♦**Design Precautions 1. Please design insertion pitches as matching to that of leads of the component on PCBs. Design Technical 1. When Inductors are mounted onto a PC board, hole dimensions on the board should match the lead pitch of the component, if not, it will considerations cause breakage of the terminals or cracking of terminal roots covered with resin as excess stress travels through the terminal legs. 3. Considerations for automatic placement Adjustment of mounting machine Precautions 1. Excessive impact load should not be imposed on the products when mounting onto the PC boards. 2. Mounting and soldering conditions should be checked beforehand. Technical ◆Adjustment of mounting machine considerations 1. When installing products, care should be taken not to apply distortion stress as it may deform the products. 4. Soldering ◆Wave soldering 1. Please refer to the specifications in the catalog for a wave soldering. 2. Do not immerse the entire inductor in the flux during the soldering operation. 1. When using products with lead free soldering, we request to use them after confirming adhesion, temperature of resistance to soldering heat, soldering etc sufficiently. Precautions Recommended conditions for using a soldering iron: •Put the soldering iron on the land-pattern. Soldering iron's temperature – Below 350°C Duration - 3 seconds or less •The soldering iron should not directly touch the inductor. Reflow soldering 1. As for reflow soldering, please contact our sales staff. ◆Lead free soldering 1. If products are used beyond the range of the recommended conditions, heat stresses may deform the products, and consequently Technical degrade the reliability of the products. considerations ◆Recommended conditions for using a soldering iron If products are used beyond the range of the recommended conditions, heat stresses may deform the products, and consequently degrade the reliability of the products. 5. Cleaning Cleaning conditions Precautions 1. CAL type, LH type Please do not do cleaning by a supersonic wave. ◆Cleaning conditions Technical 1. CAL type, LH type, considerations If washing by supersonic waves, supersonic waves may deform products.

This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification. For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (http://www.ty-top.com/).

6. Handling	
Precautions	 ♦ Handling Keep the inductors away from all magnets and magnetic objects. ♦ Mechanical considerations Please do not give the inductors any excessive mechanical shocks. LH type If inductors are dropped onto the floor or a hard surface they should not be used. ♦ Packing Please do not give the inductors any excessive mechanical shocks. In loading, please pay attention to handling indication mentioned in a packing box (a loading direction / number of maximum loading / fragile item).
Technical considerations	 ✦Handling 1. There is a case that a characteristic varies with magnetic influence. ✦Mechanical considerations 1. There is a case to be damaged by a mechanical shock. 2. LH type There is a case to be broken by a fall. ✦Packing 1. There is a case that a lead wire could be deformed by a fall or an excessive shock.

7. Storage conditions ◆Storage 1. To maintain the solderability of terminal electrodes and to keep the packing material in good condition, temperature and humidity in the storage area should be controlled. Recommended conditions •Ambient temperature 0~40°C Precautions · Humidity Below 70% RH The ambient temperature must be kept below 30°C. Even under ideal storage conditions, solderability of products electrodes may decrease as time passes. For this reason, inductors should be used within one year from the time of delivery. In case of storage over 6 months, solderability shall be checked before actual usage. ◆Storage Technical 1. Under a high temperature and humidity environment, problems such as reduced solderability caused by oxidation of terminal electrodes considerations and deterioration of taping/packaging materials may take place.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Ferrite Beads category:

Click to view products by Taiyo Yuden manufacturer:

Other Similar products are found below:

CZB1EGTTP700P CZB1JGTTD101P CZB1JGTTD151P CZB1JGTTD601P CZB2AFTTD800P CZB2AGTTD601P CZB2BFTTE600P EMI0805R-11 NCB0603R301TR050F NCB0805A320TR050F NCB-H1206B680TR300F SMB2.5-1TR SMB2.5R-2 2943778301 CZB1EGTTP121P CZB1JGTTD102P CZB1JGTTD121P CZB1JGTTD221P CZB2AGTTD301P CZB2BFTTE601P 4221R-1 4221R-2 4221R-3 EMI0805R-2000 EMI0805R-600 SBY100505T-100Y-N NCB-GH0402D121TR060F NCB-H1812D125TR150F CZB2AGTTD102P NCB0402P301TR005F NCB0603R152TR030F NCB0805A121TR050F NCB3312K900TR500F NCB-H0805A102TR150F NCB-H0805A221TR300F NCB-H1806E181TR300F NCB0402P300TR030F NCB0402P700TR050F NCB0805A102TR040F NCB1806E151TR020F NCB-H0603R121TR300F NCB-H0805A220TR600F NCB-H0805A390TR400F CIM21J252NE CZB2BFTTE121P EMI0805R-220 74279250 7427924 CZB1JGTTD202P ABUPDE160808121Y00