Notice for TAIYO YUDEN products

Please read this notice before using the TAIYO YUDEN products.

REMINDERS

Product Information in this Catalog

Product information in this catalog is as of October 2019. All of the contents specified herein and production status of the products listed in this catalog are subject to change without notice due to technical improvement of our products, 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.

Approval of Product Specifications

Please contact TAIYO YUDEN for further details of product specifications as the individual product specification sheets are available. When using our products, please be sure to approve our product specifications or make a written agreement on the product specification with TAIYO YUDEN in advance.

Pre-Evaluation in the Actual Equipment and Conditions

Please conduct validation and verification of our products in actual conditions of mounting and operating environment before using our products.

Limited Application

1. Equipment Intended for Use

The products listed in this catalog are intended for generalpurpose and standard 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 other equipment specified in this catalog or the individual product specification sheets.

TAIYO YUDEN has the line-up of the products intended for use in automotive electronic equipment, telecommunications infrastructure and industrial equipment, or medical devices classified as GHTF Classes A to C (Japan Classes I to III). Therefore, when using our products for these equipment, please check available applications specified in this catalog or the individual product specification sheets and use the corresponding products.

2. Equipment Requiring Inquiry

Please be sure to contact TAIYO YUDEN for further information before using the products listed in this catalog for the following equipment (excluding intended equipment as specified in this catalog or the individual product specification sheets) which may cause loss of human life, bodily injury, serious property damage and/or serious public impact due to a failure or defect of the products and/or malfunction attributed thereto.

- (1) Transportation equipment (automotive powertrain control system, train control system, and ship control system, etc.)
- (2) Traffic signal equipment
- (3) Disaster prevention equipment, crime prevention equipment
- (4) Medical devices classified as GHTF Class C (Japan Class III)
- (5) Highly public information network equipment, dataprocessing equipment (telephone exchange, and base station, etc.)
- (6) Any other equipment requiring high levels of quality and/or reliability equal to the equipment listed above

3. Equipment Prohibited for Use

Please do not incorporate our products into the following equipment requiring extremely high levels of safety and/or reliability.

- (1) Aerospace equipment (artificial satellite, rocket, etc.)
- (2) Aviation equipment *1
- (3) Medical devices classified as GHTF Class D (Japan Class IV), implantable medical devices *²

- (4) Power generation control equipment (nuclear power, hydroelectric power, thermal power plant control system, etc.)
- (5) Undersea equipment (submarine repeating equipment, underwater work equipment, etc.)
 (2) time
- (6) Military equipment
- (7) Any other equipment requiring extremely high levels of safety and/or reliability equal to the equipment listed above

*Notes:

- 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.
- Implantable medical devices contain not only internal unit which is implanted in a body, but also external unit which is connected to the internal unit.

4. Limitation of Liability

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 that is not intended for use by TAIYO YUDEN, or any equipment requiring inquiry to TAIYO YUDEN or prohibited for use by TAIYO YUDEN as described above.

Safety Design

When using our products for high safety and/or reliability-required equipment or circuits, please fully perform safety and/or reliability evaluation. In addition, please install (i) systems equipped with a protection circuit and a protection device and/or (ii) systems equipped with a redundant circuit or other system to prevent an unsafe status in the event of a single fault for a failsafe design to ensure safety.

Intellectual Property Rights

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.

Limited Warranty

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 failure 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.

TAIYO YUDEN's Official Sales Channel

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.

METAL WIRE-WOUND CHIP POWER INDUCTORS (MCOIL[™] MB-H SERIES)



МВ	КК	1	6	0	8	Н	1	R	0	М	\triangle
1	2			3)		4		5		6	$\overline{\mathcal{O}}$

①Series name

PARTS NUMBER

Code	Series name
MB	Metal Wire-Wound chip power inductor

 $\textcircled{2} \mathsf{Dimensions}(\mathsf{T})$

Code	Dimensions(T)[mm]
КК	1.0
MK	1.2

$\textcircled{3} \mathsf{Dimensions}(\mathsf{L} \times \mathsf{W})$

Code	Type(inch)	Dimensions (L×W)[mm]
1608	1608(0603)	1.6 × 0.8
2520	2520(1008)	2.5 × 2.0

* Operating Temp.:-40~+125°C (Including self-generated heat)

 $\triangle = \mathsf{Blank} \ \mathsf{space}$

④Packaging	
Code	Packaging
Н	Taping(Special specification)

⑤Nominal inductance

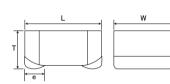
Code (example)	Nominal inductance [μ H]				
R24	0.24				
1R0	1.0				
4R7	4.7				
%R=Decimal point					

.

⑥Inductance tolerance						
Code	Inductance tolerance					
М	±20%					
N	±30%					

 $\textcircled{O} Internal \ code$

STANDARD EXTERNAL DIMENSIONS / STANDARD QUANTITY



Recommended Lan	id Patterns						
Surface Mounting							
 Mounting and soldering conditions should be checked beforehand. 							
 Applicable soldering process to these products is reflow soldering only. 							
	1	Туре	А	В	С		
	c	1608	0.55	0.70	1.00		
		2520	0.60	1.50	2.00		

		С	1608	0.55	0.70	1.00
			2520	0.60	1.50	2.00
A	B A	-				Unit:mm

	Trues		w	Ŧ		Standard qu	uantity[pcs]		
	Туре	L	VV	I	e	Paper tape	Embossed tape		
	MBKK1608	1.6±0.2 (0.063±0.008)	0.8±0.2 (0.031±0.008)	1.0 max (0.040 max)	0.45±0.15 (0.016±0.006)	-	3000		
-	MBMK2520	2.5±0.2 (0.098±0.008)	2.0±0.2 (0.079±0.008)	1.2 max (0.047 max)	0.5±0.2 (0.020±0.008)	-	3000		
							Unit mm (inch)		

for General Electronic Equipment

MBKK1608H(06)	03) type	[Thickness:1.0mm	max.]					
Parts number	EHS	Nominal inductance [Inductance tolerance	Self-resonant	DC Resistance [Ω](max.)	Rated current	※) [mA](max.)	Measuring frequency[MHz]
				frequency [MHz](min.)		Saturation current Idc1	Temperature rise current Idc2	
MBKK1608HR24N	RoHS	0.24	±30%	-	0.049	1,650	2,300	1.0
MBKK1608HR47N	RoHS	0.47	±30%	-	0.104	1,100	1,400	1.0
MBKK1608HR68N	RoHS	0.68	±30%	-	0.120	950	1,200	1.0
MBKK1608H1R0M	RoHS	1.0	±20%	-	0.150	800	1,150	1.0
MBKK1608H1R5M	RoHS	1.5	±20%	-	0.200	650	1,000	1.0
MBKK1608H2R2M	RoHS	2.2	±20%	-	0.345	520	750	1.0
MBKK1608H3R3M	RoHS	3.3	±20%	-	0.512	450	600	1.0
MBKK1608H4R7M	RoHS	4.7	±20%	-	0.730	370	500	1.0

MBMK2520H(1008) type [Thickness:1.2mm max.]

		Man South States Associate		Self-resonant	DC Resistance	Rated current	※) [mA](max.)	Manada
Parts number	EHS	Nominal inductance [µ H]	Inductance tolerance	frequency [MHz](min.)	[Ω] (max.)	Saturation current Idc1	Temperature rise current Idc2	Measuring frequency[MHz]
MBMK2520HR24N	RoHS	0.24	±30%	-	0.026	4,750	3,500	1.0
MBMK2520HR47N	RoHS	0.47	±30%	-	0.042	3,900	2,600	1.0
MBMK2520HR68N	RoHS	0.68	±30%	-	0.058	3,150	2,150	1.0
MBMK2520H1R0M	RoHS	1.0	±20%	-	0.072	2,350	1,850	1.0
MBMK2520H1R5M	RoHS	1.5	±20%	-	0.106	2,050	1,500	1.0
MBMK2520H2R2M	RoHS	2.2	±20%	-	0.159	1,800	1,250	1.0
MBMK2520H3R3M	RoHS	3.3	±20%	-	0.260	1,400	970	1.0
MBMK2520H4R7M	RoHS	4.7	±20%	-	0.380	1,150	800	1.0

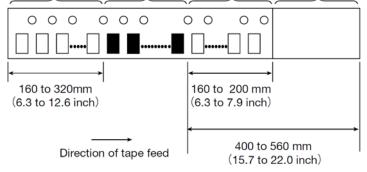
%) The saturation current value (ldc1) is the DC current value having inductance decrease down to 30%. (at 20°C) %) The temperature rise current value (ldc2) is the DC current value having temperature increase by 40°C. (at 20°C)

%) The rated current value is following either Idc1 or Idc2, which is the lower one.

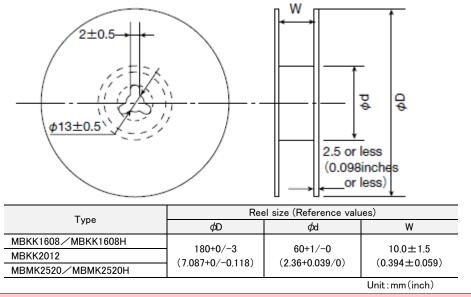
METAL WIRE-WOUND CHIP POWER INDUCTORS (MCOIL[™] MB SERIES ∕ MCOIL[™] MB-H SERIES)

PACKAGING

Minimum Quantity					
	Standard Quant	ity [nee]			
Туре	Standard Quantity [pcs] Tape & Reel				
MBKK1608/MBKK1608H	3000				
MBKK2012	3000				
MBMK2520/MBMK2520H	3000				
Tape Material					
Embossed Tape					
	Spra	tape ocket hole	Chip Filled	0)	
Taping dimensions	tape Chip	cavity	Chip		
Embossed tape 8mm wide (0.31 ϕ 1.5+0.1					
Sprocket hole (\$\phi 0.059 + 0.0\$)	1. (0.315±0.008)		O O O O O O Electrode (bottom view)		
Turne	Chip	cavity	Insertion pitch	Tape th	ickness
Туре	A	В	F	Т	К
MBKK1608/MBKK1608H	1.1	1.9	4.0±0.1	0.25±0.05	1.2 max
	(0.043)	(0.075)	(0.157±0.004)	(0.010 ± 0.002)	(0.047 max)
MBKK2012	1.45 (0.057)	2.2	4.0 ± 0.1 (0.157 ± 0.004)	0.25 ± 0.05 (0.010 \pm 0.002)	1.2 max (0.047 max)
	2.3	(0.087) 2.8	(0.157 ± 0.004) 4.0 ± 0.1	0.3±0.05	(0.047 max) 1.45 max
			(0.157 ± 0.004)	(0.012 ± 0.002)	(0.057 max)
MBMK2520/MBMK2520H	(0.091)	(0.110)	(0.137 ± 0.004)		
MBMK2520/MBMK2520H	(0.091)	(0.110)	(0.137 ± 0.004)		Unit:mm(inch)
	(0.091)	(0.110)	(0.137±0.004)		
MBMK2520/MBMK2520H DLeader and Blank portion Blank portions Chip c			(0.137±0.004)		

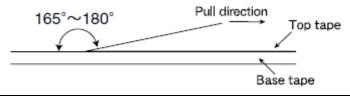






(6) Top Tape Strength

The top The top tape requires a peel-off force of 0.2 to 0.7N in the direction of the arrow as illustrated below.





METAL WIRE-WOUND CHIP POWER INDUCTORS (MCOIL[™] MB SERIES ∕ MCOIL[™] MB-H SERIES)

RELIABILITY DATA

1. Operating Tempe	rature Range	
Specified Value	MB series	$-40 \sim +105^{\circ}C$
	MB-H series	-40~+125°C
Test Methods and Remarks	Including self-generated heat	

2. Storage Tempera	2. Storage Temperature Range			
Specified Value	MB series	−40~+85°C		
	MB-H series	$-40 \sim +85 \text{ C}$		
Test Methods and Remarks	0 to 40°C for the product with taping.			

3. Rated current			
Specified Value	MB series	With the second science of	
	MB-H series	Within the specified tolerance	

4. Inductance	ł. Inductance				
	MB series				
Specified Value	MB-H series		Within the specified tolerance		
Test Methods and Remarks		CR Meter(HP 4 MHz、1V	285A or equivalent)		

	5. DC Resistance				
	Specified Value	MB series			
		MB-H series	Within the specified tolerance		
	Test Methods and Remarks	Measuring equipment : DC ohmmeter(HI	OKI 3227 or equivalent)		

6. Self resonance frequency				
Specified Value	MB series			
	MB-H series			

7. Temperature characteristic					
Specified Value	MB series	Industance change (Within ± 15%			
Specified Value	MB-H series Inductance change : Within ±15%				
Test Methods and	MB series : Measurement of inductance shall be taken at temperature range within $-40^{\circ}C \sim +105^{\circ}C$. With reference to inductance value at $+20^{\circ}C$., change rate shall be calculated.				
Remarks	MB-H series : Measurement of inductance shall be taken at temperature range within $-40^{\circ}C \sim +125^{\circ}C$. With reference to inductance value at $+20^{\circ}C$, change rate shall be calculated.				

8. Resistance to fle	xure of substrate				
	MB series		No. down own		
Specified Value	MB-H series		No damage		
Test Methods and Remarks	The test samples shall be s until deflection of the test Test board size Test board material Solder cream thickness	board reaches to	2 mm. mm (1608:0.8mm)	s illustrated below, apply force in the direction of the arrow indicating Force Rod	
				R5 Test Sample	

9. Insulation resistance : between wires			
Specified Value	MB series		
	MB-H series		

10. Insulation resistance : between wire and core			
Specified Value	MB series	DC25V 100kΩ min	
	MB-H series	DC50V 100kΩ min	

11. Withstanding voltage : between wire and core			
Specified Value	MB series		
Specified Value	MB-H series	-	

12. Adhesion of terr	12. Adhesion of terminal electrode				
Specified Value	MB series		No abnormality.		
	MB-H series		no adriormality.		
	The test samples shall be soldered to the test board by the		st board by the reflow.		
Test Methods and	nd Applied force : 10N (1608:5N) to X and Y directions.) to X and Y directions.		
Remarks	Duration : 5s.				
	Solder cream thickness	: 0.1mm.			

13. Resistance to vi	bra	tion				
Specified Value	MB series			Inductance change : Within $\pm 10\%$ No significant abnormality in appearance.		
Specified value	MB-H series					
	The test samples shall be soldered to the test Then it shall be submitted to below test condi				-	
		Frequency Range	10~55Hz			
Test Methods and		Total Amplitude	1.5mm	(May not	exceed acceleration 196m/s ²)	
Remarks		Sweeping Method	10Hz to	o 55Hz to	10Hz for 1min.	
		Time	X Y		For 2 hours on each X, Y, and Z axis.	
	R	ecovery : At least 2hrs of	Z	/ under tl	ne standard condition after the test, followed by the	e measurement within 48hrs.

14. Solderability				
Specified Volue	MB series			
Specified Value	MB-H series		At least 90% of surface of terminal electrode is covered by new solder.	
	The test samples shall be d Flux : Methanol solution co		then immersed in molten solder as shown in below table.	
Test Methods and	Solder Temperature	245±5°C		
Remarks	Immersing speed	25mm/s		
	Time	5±0.5 sec.		
	XImmersion depth : All side	es of mounting ter	minal shall be immersed.	



15. Resistance to se	15. Resistance to soldering heat				
Specified Value	MB series	Inductance change : Within $\pm 10\%$			
Specified value	MB-H series	No significant abnormality in appearance.			
	The test sample shall be exposed to reflow ov	en at 230°C for 40 seconds, with peak temperature at $260+0/-5$ °C for 5 seconds, 3 times.			
Test Methods and	Test board material : Glass epoxy-resin				
Remarks					
Recovery : At least 2hrs of recovery under the standard condition after the test, followed		ne standard condition after the test, followed by the measurement within 48hrs.			

16. Thermal shock									
Specified Value	MB series			Inductance cha	Inductance change : Within $\pm 10\%$				
Specified Value	MB-H se	eries		No significant a	abnorm	ality in app	bearance.		
	MB series:					MB-H se			
	The test	samples shall be soldered	to the tes	st board by the re	eflow.	The test	samples shall be soldered	to the test board by the reflo	
	The test	t samples shall be placed	d at spec	ified temperatur	e for	The test	t samples shall be placed	l at specified temperature f	
	specified	specified time by step 1 to step 4 as shown in below ta					specified time by step 1 to step 4 as shown in below table in		
	sequence	e. The temperature cycle s	peated 100 cycle	s.	sequence. The temperature cycle shall be repeated 100 cycles.				
T . M	Conditions of 1 cycle						Conditions of 1 cycle		
Test Methods and Remarks	Step	Temperature (°C)	Dur	ation (min)		Step	Temperature (°C)	Duration (min)	
Remarks	1	-40 ± 3		30±3		1	-40 ± 3	30±3	
	2	Room temperature	١	Within 3		2	Room temperature	Within 3	
	3	$+85\pm2$		30±3		3	$+125\pm2$	30±3	
	4	Room temperature	١	Within 3		4	Room temperature	Within 3	
	Recovery	y : At least 2hrs of recove	ry under t	he standard con	dition	Recovery : At least 2hrs of recovery under the standard condition			
	after the	test, followed by the meas	surement v	within 48hrs.		after the	test, followed by the meas	urement within 48hrs.	

17. Damp heat						
Cara if and Malue	MB series		Inductance change : Within $\pm 10\%$			
Specified Value	MB-H series		No significant abnorm	ality in appearance.		
	MB series:			MB-H series:		
	The test samples s	shall be soldered to the tes	st board by the reflow.	board by the reflow. The test samples shall be soldered to the test bo		
	The test samples	shall be placed in therr	mostatic oven set at	ostatic oven set at The test samples shall be placed in thermostatic		
Test Methods and	specified temperat	ure and humidity as shown	in below table.	specified temperat	ture and humidity as shown in below table.	
Remarks	Temperature	60±2°C		Temperature	85±2°C	
	Humidity	90~95%RH		Humidity	85%RH	
	Time	1000+24/-0 hour		Time	1000+24/-0 hour	
	Recovery : At leas	t 2hrs of recovery under t	he standard condition	Recovery : At least 2hrs of recovery under the standard condition		
	after the test, follo	wed by the measurement	within 48hrs.	after the test, follo	owed by the measurement within 48hrs.	

18. Loading under d	18. Loading under damp heat							
Specified Value	MB series		Inductance change : Within $\pm 10\%$					
Specified Value	MB-H series		No significant abnorm	No significant abnormality in appearance.				
Test Methods and Remarks	The test samples s	all be soldered to the tes shall be placed in thern re and humidity and appl wn in below table. 60±2°C 90~95%RH Rated current 1000+24/-0 hour	nostatic oven set at	The test samples s specified temperature	The test samples shall be soldered to the test board by the ref The test samples shall be placed in thermostatic oven set specified temperature and humidity and applied the rated curr continuously as shown in below table. Temperature 85±2°C Humidity 85%RH			
	Recovery : At least 2hrs of recovery under the standard condition			Recovery : At least 2hrs of recovery under the standard condition				
	after the test, follow	ed by the measurement v	within 48hrs.	after the test, follow	ed by the measurement wi	thin 48hrs.		

19. Low temperatur	e life test			
Specified Value	MB series		Inductance change : Within $\pm 10\%$	
Specified value	MB-H series		No significant abnormality in appearance.	
	The test samples sha	all be soldered to the tes	t board by the reflow. After that, the test samples shall be placed at test conditions as shown	
Test Methods and	in below table.			
Remarks	Temperature	$-40\pm2^{\circ}C$		
	Time	1000+24/-0 hour		
	Recovery : At least 2hrs of recovery under the standard condition after the test, followed by the measurement within 48hrs.			



20. High temperatur	20. High temperature life test					
Care of Grad Malva	Specified Value MB series MB-H series		Inductance change : Within $\pm 10\%$			
Specified value			No significant abnormality in appearance.			
	The test samples shall be soldered to the test board by the reflow. After that, the test samples shall be placed at test co					
Test Methods and	in below table.					
Remarks	Temperature	85±2°C				
	Time	1000+24/-0 hour				
	Recovery : At least 2hrs of recovery under the standard condition after the test, followed by the measurement within 48hrs.					

21. Loading at high temperature life test			
	MB series		
Specified Value	MB-H series		

22. Standard condit	ion	
Specified Value	MB series	Standard test condition : Unless otherwise specified, temperature is $20\pm15^{\circ}$ C and $65\pm20\%$ of relative humidity. When there is any question concerning measurement result: In order to provide correlation
Specified value	MB-H series	data, the test shall be condition of $20\pm2^{\circ}$ C of temperature, $65\pm5\%$ relative humidity. Inductance is in accordance with our measured value.

METAL WIRE-WOUND CHIP POWER INDUCTORS (MCOIL[™] MB SERIES ∕ MCOIL[™] MB-H SERIES)

PRECAUTIONS

1. Circuit Design	
Precautions	 Operating environment 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 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	
Precautions	 ◆Land pattern design 1. Please refer to a recommended land pattern.
Technical considerations	 Land pattern design Surface Mounting Mounting and soldering conditions should be checked beforehand. Applicable soldering process to this products is reflow soldering only.

3. Considerations for automatic placement	
Precautions	 Adjustment of mounting machine 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 considerations	 ◆Adjustment of mounting machine 1. When installing products, care should be taken not to apply distortion stress as it may deform the products.

4. Soldering	4. Soldering	
Precautions	 Reflow soldering Please contact any of our offices for a reflow soldering, and refer to the recommended condition specified. The product shall be used reflow soldering only. Please do not add any stress to a product until it returns in normal temperature after reflow soldering. Lead free soldering When using products with lead free soldering, we request to use them after confirming adhesion, temperature of resistance to soldering heat, soldering etc sufficiently. 	
Technical considerations	Reflow soldering 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. Recommended reflow condition (Pb free solder) 300 300 100 150~180 100	

5. Cleaning	
Precautions	 ♦ Cleaning conditions 1. Washing by supersonic waves shall be avoided.
Technical considerations	 Cleaning conditions 1. If washed by supersonic waves, the products might be broken.



6. Handling	
Precautions	 Handling Keep the product away from all magnets and magnetic objects. Breakaway PC boards (splitting along perforations) When splitting the PC board after mounting product, care should be taken not to give any stresses of deflection or twisting to the board. Board separation should not be done manually, but by using the appropriate devices. Mechanical considerations Please do not give the product any excessive mechanical shocks. Please do not add any shock and power to a product in transportation. Pick-up pressure Please do not push to add any pressure to a winding part. Please do not give any shock and push into a ferrite core exposure part. Packing Please avoid accumulation of a packing box as much as possible.
Technical considerations	 Handling There is a case that a characteristic varies with magnetic influence. Breakaway PC boards (splitting along perforations) The position of the product on PCBs shall be carefully considered to minimize the stress caused from splitting of the PCBs. Mechanical considerations There is a case to be damaged by a mechanical shock. There is a case to be broken by the handling in transportation. Pick-up pressure Damage and a characteristic can vary with an excessive shock or stress. Packing If packing boxes are accumulated, that could cause a deformation on packing tapes or a damage on the products.

7. Storage condit Precautions	 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 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, product should be used within 6 months from the time of delivery. In case of storage over 6 months, solderability shall be checked before actual usage.
Technical considerations	 Storage 1. Under a high temperature and humidity environment, problems such as reduced solderability caused by oxidation of terminal electrodes and deterioration of taping/packaging materials may take place.





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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