

NEC TOKIN PRODUCTS

Compliance to RoHS Directive

List of compliant products and restriction status of prohibited substances



Vol.7

●The RoHS compliance means that we judge from EU Directive 2002/95/EC the products do not contain lead, cadmium, mercury, hexavalent chromium, PBB and PBDE, except impurities existing in natural world.
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Compliance to RoHS Directive

Energy Device

Y : Under the limit = COMPLIANT E : Exemptions = COMPLIANT N : Greater or equal to the Limit = NOT COMPLIANT - : Contact NEC TOKIN for details

Prodlizer

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
Chip type/SMD		PF/A	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		PF/B	Y	Y	Y	Y	Y	Y	Y	Under mass production	

Tantalum Capacitor

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks	
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm				
Chip type/SMD	CB terminal	G/SV	Y	Y	Y	Y	Y	Y	Y	Under mass production	Compatible with E/SV series	
	Face down terminal	F/SV	Y	Y	Y	Y	Y	Y	Y	Under mass production		
	Standard	E/SV	Y	Y	Y	Y	Y	Y	Y	Under mass production		
	Low ESR	SV/Z	Y	Y	Y	Y	Y	Y	Y	Under mass production		
	NeoCapacitor / polymer	PS/G	Y	Y	Y	Y	Y	Y	Y	Y		Under mass production
		PS/L	Y	Y	Y	Y	Y	Y	Y	Y		Under mass production
	NeoCapacitor / polymer / CB terminal	G/PS	Y	Y	Y	Y	Y	Y	Y	Under mass production		
	NeoCapacitor / polymer / face down terminal	F/PS	Y	Y	Y	Y	Y	Y	Y	Under mass production		
	With fuse	SV/F	Y	Y	N	Y	Y	Y	N	Not planned		
	High-performance product	SV/H	Y	Y	N	Y	Y	Y	N	Not planned		
	Conventional	SV/S	Y	Y	N	Y	Y	Y	N	-		
		R (extended)	Y	Y	N	Y	Y	Y	N	-		
R		Y	Y	N	Y	Y	Y	N	-			
Resin coated exterior type/insert	DN	Y	Y	N	Y	Y	Y	N	Not planned			
	DH/R	Y	Y	N	Y	Y	Y	N	Not planned			

Supercapacitor

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
SMD type	FC*****ZFTBR**	FC	Y	Y	Y	Y	Y	Y	Y	Under mass production	Code "F" added after code "Z" of the conventional P.N.
	FCS*****ZFTBR**	FCS	Y	Y	Y	Y	Y	Y	Y	Under mass production	
Thin type	EDL223Z7R0-1	EDL	Y	Y	Y	Y	Y	Y	Y	Under mass production	Code "F" added after code "Z" of the conventional P.N.
	HP*****Z*	HP	Y	Y	Y	Y	Y	Y	Y	Under mass production	
Resin-molded type	FM*****ZF(TP**)	FM	Y	Y	Y	Y	Y	Y	Y	Under mass production	Code "F" added after code "Z" of the conventional P.N.
Metal-can type	FA*****ZF	FA	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	FE*****ZF	FE	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	FG(*)*****ZF	FG	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	FR*****ZF	FR	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	FS*****ZF	FS	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	FT*****ZF	FT	Y	Y	Y	Y	Y	Y	Y	Under mass production	
Large capacitance type	FY*****ZF	FY	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	HV*****NF	HV	Y	Y	Y	Y	Y	Y	Y	Under mass production	
BOX type	HVS*****NF	HVS	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	FB	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	

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Lithium ion Rechargeable Battery

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
Lage capacity laminate type Li-ion	(Custom-made product)		-	-	-	-	-	-	-	-	Contact NEC TOKIN for details

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Network Device

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Miniature Relays

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
Signal relays		UA2	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		UB2	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		UC2	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		UD2	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		EA2	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		EB2	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		EC2	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		ED2	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		EE2	Y	Y	Y	Y	Y	Y	Y	Under mass production	
Power relays	Twin types	EN2	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		EP2	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		ET2	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		EX2	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	Single types	EQ1	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		EP1	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		ET1	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		EX1	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		EM1	Y	Y	Y	Y	Y	Y	Y	Under mass production	

Contactless IC Card Reader / Writer

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
Contactless IC card reader/writer module		ICM-3014	Y	Y	Y	Y	Y	Y	Y	Under mass production	Contact NEC TOKIN for details

UHF-Band Reader Writer

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
		ICT-5047	-	-	-	-	-	-	-	-	Contact NEC TOKIN for details

IC Card

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
	(Custom-made product)		-	-	-	-	-	-	-	-	Contact NEC TOKIN for details

RFID

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
	(Custom-made product)		-	-	-	-	-	-	-	-	Contact NEC TOKIN for details

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Functional Device

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Shape Memory Alloys

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
Memoalloy® nickel titanium alloys			Y	Y	Y	Y	Y	Y	Y	Under mass production	

Permanent Magnets

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
Lanthanet® rare-earth magnets		Type 1-5	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		Type 2-17	Y	Y	Y	Y	Y	Y	Y	Under mass production	
Fe-Cr-Co magnets		KX-1	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		KX-4	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		K-5	Y	Y	Y	Y	Y	Y	Y	Under mass production	

Ferrite Cores

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
Ferrite Cores		BH1	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		BH2	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		BH3	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		BH4	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		B40	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		5H	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		7H	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		10H	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		12H	Y	Y	Y	Y	Y	Y	Y	Under mass production	
15H	Y	Y	Y	Y	Y	Y	Y	Under mass production			

Transformers

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
	SMD type common mode choke coils for DC-DC converters	DCM5	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	SMD type current transformers	E5T-1	Y	Y	Y	Y	Y	Y	Y	Under mass production	

Flex suppressor®

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
Standard specifications		K4E	Y	Y	Y	Y	Y	Y	Y	Under mass production	
Heat resistance specifications		TS7	Y	Y	Y	Y	Y	Y	Y	Under mass production	
Low frequency specifications		R4N	Y	Y	Y	Y	Y	Y	Y	Under mass production	
Super high permeability type		FK2	Y	Y	Y	Y	Y	Y	Y	Under mass production	
Multi-layer type		3GF	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		3GT	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		2GT	Y	Y	Y	Y	Y	Y	Y	Under mass production	
High thermal conductivity type		HF2	Y	Y	Y	Y	Y	Y	Under mass production		

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Halogen free type		EFR	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		EFF	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		EFX	Y	Y	Y	Y	Y	Y	Y	Under mass production	
For RFID		AD	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		RS6	Y	Y	Y	Y	Y	Y	Y	Under mass production	

Film Impedor[®]

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
Film Impedor		E25	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		E50	Y	Y	Y	Y	Y	Y	Y	Under mass production	

Choke Coils

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks	
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm				
SMD type	Closed magnetic circuit	SN-S3M	Y	Y	E	Y	Y	Y	Y	Y	Under mass production	Contact NEC TOKIN for details
		H · DI-0420R	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		H · DI-0520	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		H · DI-0630	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		H · DI-0740	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		H · DI-0940	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		H · DI-1040	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		H · DI-1240	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		H · DI-1245G	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		H · DI-1280G	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	H · LI	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
	Open magnetic circuit	SSB14	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		SSB15	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		SSB44	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		SSB64	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		SSB84	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		SSB-0505	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
DIP type	Closed magnetic circuit	SBCS-1110	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		SBPS-1111	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		SBPSC-11R310	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		SBPSC-12R817	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	Open magnetic circuit	SBC1 (soft lead)	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		SBC1 (pin lead)	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		SBC2 (soft lead)	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		SBC2 (pin lead)	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		SBC3 (soft lead)	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		SBC3 (pin lead)	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	

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			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm					
DIP type	Open magnetic circuit	SBC4 (soft lead)	Y	Y	Y	Y	Y	Y	Y	Under mass production			
		SBC4 (pin lead)	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SBC6 (soft lead)	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SBC6 (pin lead)	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SBC7 (soft lead)	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SBC7 (pin lead)	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SBC8 (soft lead)	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SBC8 (pin lead)	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SBC9 (soft lead)	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SBC9 (pin lead)	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SBCP-87HY	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SBCP-80HY	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SBCP-11HY	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SBCP-47HY	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SBCP-14HY	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
	Toroidal	OH	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SHP	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
SMD type	Closed magnetic circuit	MPC0750	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		MPC1040	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		MPC1055	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		MPC1250	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		MPCG0740	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		MPCG1040	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		MPLC0730	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		MPLC1040	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		MB · PI-0755	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		MB · PI-1035	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		MB · PI-1250	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		C · PI-1050	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		C · PI-1250	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		C · PI-1350	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		C · PI-1365	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		R · PI-1055	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		PLC-0735	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		PLC-0745	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		PLC-0755	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		PLC-0760	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		PLC-1035	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		PLC-1045	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		PLC-1055	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
PLC-1060	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production			
PLC-1235	Y	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production			

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Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
SMD type	Closed magnetic circuit	PLC-1245	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		PLC-1255	Y	Y	Y	Y	Y	Y	Y	Under mass production	

EMI Core

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
Ring type	Toroidal cores (bare type)	ESD-R	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	Toroidal cores (coated type)	ESD-R	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	Toroidal cores with case	ESD-R	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	Toroidal cores with snail-shaped case	ESD-R-B	Y	Y	Y	Y	Y	Y	Y	Under mass production	
Clamp type	Hinged-clamp cores for round cables	ESD-SR	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		ESD-SR-S	Y	Y	Y	Y	Y	Y	Y	Under mass production	
Flat type	Hinged, non-hinged cores for round cables	ESD-FPL	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		ESD-FPD	Y	Y	Y	Y	Y	Y	Y	Under mass production	
Bead type	Bead cores		Y	Y	Y	Y	Y	Y	Y	Under mass production	

DC Line Filters

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
DIP type	Common mode power line	SH	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		SHO	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		SBT-03W	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	Common mode signal line	SBT-01W	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		Toroidal cores with wound cables	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		DIP noise filters	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	Common mode for telephone sets		Y	Y	Y	Y	Y	Y	Y	Under mass production	
	Normal mode	SBT	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		SNT	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	Bead inductors (lead type)	B-01	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		B-02	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		B-03	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		B-06	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	Bead inductors (winding type)		Y	Y	Y	Y	Y	Y	Y	Under mass production	
	EMC filter	Distributed constant filters	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	Feedthrough capacitor filters	EG	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		EJ	Y	Y	Y	Y	Y	Y	Y	Under mass production	
EMC filter	DFD	Y	Y	Y	Y	Y	Y	Y	Under mass production		
SMD type	Common mode power line	SBS9080	Y	Y	E	Y	Y	Y	Y	Under mass production	Contact NEC TOKIN for details
		SBP	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	Common mode signal line	M-500CT	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		M-600T	Y	Y	E	Y	Y	Y	Y	Under mass production	Contact NEC TOKIN for details

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AC Line Filters

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks		
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm					
Earth inductors	SNG series		Y	Y	Y	Y	Y	Y	Y	Under mass production			
Common mode	SC coils - standard type		Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SC-E, F, V type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
	SC coils - terminal base type	SC-A type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SC-J type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SC-GJ type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SC-JV type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SC-JS type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SC-JH type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
	SC coils - small type	SC-G/GS type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
	SC coils - compact, high-inductance type	SCF type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
	SC coils - high frequency type	SC-D type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
	SU coils	SU 7VC type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SU 8H type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SU 9V/9H type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SU 9VF/9HF type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SU 10VFC-R type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SU 10V/10H Type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SU 10VF/10HF type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SU 16V/16H type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SU 16VF type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SU coils - high frequency type	SU 9VD type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
			SU 10VD type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
			SU 16VD type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		SS coils	SS11VL type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
			SS11V/H-CH type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	SSB11V-R/11H-R type		Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
	SS17 HB type		Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
SS17VA/HA type	Y		Y	Y	Y	Y	Y	Y	Y	Under mass production			
SS20H type	Y		Y	Y	Y	Y	Y	Y	Y	Under mass production			
SS21V type	Y		Y	Y	Y	Y	Y	Y	Y	Under mass production			
SS24V/H-CH type	Y		Y	Y	Y	Y	Y	Y	Y	Under mass production			
SS26V type	Y		Y	Y	Y	Y	Y	Y	Y	Under mass production			
SS28V/H-CH type	Y		Y	Y	Y	Y	Y	Y	Y	Under mass production			
SSB28V/H type	Y		Y	Y	Y	Y	Y	Y	Y	Under mass production			
SS30V type	Y		Y	Y	Y	Y	Y	Y	Y	Under mass production			
SS35V/35H type	Y		Y	Y	Y	Y	Y	Y	Y	Under mass production			
Normal mode	HHB coils	High μ and low core loss type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		SN coils	Small and standard type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		Terminal base type - J type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		Terminal base type - JA type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		
		Terminal base type - JB type	Y	Y	Y	Y	Y	Y	Y	Y	Under mass production		

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Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
Normal mode	SN coils	Terminal base type - W type	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		Terminal base type - P1 type	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		Terminal base type - P2 type	Y	Y	Y	Y	Y	Y	Y	Under mass production	
High frequency type	SHB coils	Booster coils for active filters	Y	Y	Y	Y	Y	Y	Y	Under mass production	

Noise Filters

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
Casing type	LF series	Small current type	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		Small current type with screw terminal	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		Screw terminal type	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		Large current type	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		Three-phase type	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		For inverters	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		Compliant with CE marking	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	LH series	Low-frequency inverters	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		Compliant with CE marking	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	HFP series		Y	Y	Y	Y	Y	Y	Y	Under mass production	
	GT series	Screw terminal	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		Faston terminal	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		For VCCI	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	GF series		Y	Y	Y	Y	Y	Y	Y	Under mass production	
	VU series		Y	Y	Y	Y	Y	Y	Y	Under mass production	
	VC series		Y	Y	Y	Y	Y	Y	Y	Under mass production	
	VG-FPZ series		Y	Y	Y	Y	Y	Y	Y	Under mass production	
	RG series		Y	Y	Y	Y	Y	Y	Y	Under mass production	
	MR series		Y	Y	Y	Y	Y	Y	Y	Under mass production	
	MA series		Y	Y	Y	Y	Y	Y	Y	Under mass production	
Inlet type	GL series	C type	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		F type	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		H type	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		M type	Y	Y	Y	Y	Y	Y	Y	Under mass production	
Plug type	TA series plug-socket type		Y	Y	Y	Y	Y	Y	Y	Under mass production	

Sensors

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
Thermosensors	Thermal guard OHD®	OHD1-**B	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		OHD1-**M	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		OHD3-**B	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		OHD3-**M	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		OHD5R-**B	Y	Y	Y	Y	Y	Y	Y	Under mass production	

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			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
Current sensors	Current transformers low current type	CT-05	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		CT-06	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		CT-07	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	Zero-phase current transformer ZCT	MR-1	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		MR-2	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		MR-3	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		MR-4	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		MR-1-P5	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	Magnetic direct current sensor	LA12	Y	Y	E	Y	Y	Y	Y	Under mass production	
THS		Y	Y	E	Y	Y	Y	Y	Under mass production	THS56, THS56F, THS65, THS63F	

3D Motion Sensor

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
	3D motion sensor	MDP-A3U9S	Y	Y	E	Y	Y	Y	Y	Under mass production	Contact NEC TOKIN for details

Langevin bolt-on transducers

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
	Langevin bolt-on transducers	NBL45282H-A	Y	Y	E	Y	Y	Y	Y	Under mass production	Contact NEC TOKIN for details
		NBL45402H-A	Y	Y	E	Y	Y	Y	Y	Under mass production	

Multilayer Piezoelectric Actuators

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
	Resin coated type	AE***F	Y	Y	E	Y	Y	Y	Y	Under mass production	Contact NEC TOKIN for details
	Metal sealed type	ASB***F	Y	Y	E	Y	Y	Y	Y	Under mass production	
		ASL***F	Y	Y	E	Y	Y	Y	Y	Under mass production	

xDSL Splitter

Product Family	Product Type	Series Name	Compliance with RoHS Substance Restriction						RoHS Status Compliant : Y, Not compliant : N	Compliant Product Status Under mass production, Expected date or Not planned	Remarks
			Cd <100ppm	Cr+6 <1000ppm	Pb <1000ppm	Hg <1000ppm	PBB <1000ppm	PBDE <1000ppm			
xDSL Splitter		PSR-1330	Y	Y	Y	Y	Y	Y	Y	Under mass production	Contact NEC TOKIN for details
		PSR-1401	Y	Y	Y	Y	Y	Y	Y	Under mass production	
		PSC-8000	Y	Y	Y	Y	Y	Y	Y	Under mass production	

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Precautions



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- Descriptions in this catalog regarding product characteristics and quality are based solely on discrete components. When using these components, be sure to check the specifications with the component in question mounted on the products.
- The manufacturer's warranty will not cover any disadvantage or damage caused by improper use of the products that deviates from the characteristics, specifications, or conditions for use described in this catalog.
- The products in this catalog are intended for use in ordinary electronic products. If any of these products are to be used in special applications requiring extremely high reliability, such as in aviation equipment and nuclear power controllers where product defects might pose a safety risk, please consult your NEC TOKIN sales representatives.
- Though the manufacturer has taken all possible precautions to ensure the quality and reliability of its products, improper use of products may result in bodily injury, fire, or similar accident. If you have any questions regarding the use of the products in question, please consult your NEC TOKIN sales representatives.
- Please be advised that the manufacturer accepts no responsibility for any infraction by users of the manufacturer's products on third party patents or industrial copyrights. The manufacturer is responsible only when such infractions are attributable to the structural design of the product and its manufacturing process.
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NEC TOKIN products should not be used or sold for use in the development, production, stockpiling or utilization of any conventional weapons or mass-destructive weapons(nuclear weapons, chemical or biological weapons, or missiles), or any other weapons.
For customers in Japan
For products which are controlled items subject to the "Foreign Exchange and Foreign Trade Law" of Japan, the export license specified by the law is required for export.
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