

# NEC TOKIN Tantalum capacitor Compliance to RoHS Directive

## Tantalum Capacitor

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

Product Family/ Product Type	Series Name	Part Number ex. Bulk Taping	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			
<b>Chip type/SMD</b>											
Face down terminal	F/SV	FSV*** TEFSV***	Y	Y	Y	Y	Y	Y	Y	Under mass production	
Standard	E/SV	ESV*** TEESV***	Y	Y	Y	Y	Y	Y	Y	Under mass production	
Low ESR	SV/Z	SVZ*** TESVZ***	Y	Y	Y	Y	Y	Y	Y	Under mass production	
NeoCapacitor/ polymer	PS/G	PSG*** TEPSG***	Y	Y	Y	Y	Y	Y	Y	Under mass production	
	PS/L	PSL*** TEPSL***	Y	Y	Y	Y	Y	Y	Y	Under mass production	
NeoCapacitor/ polymer/ face down terminal	F/PS	FPS*** TEFPS***	Y	Y	Y	Y	Y	Y	Y	Under mass production	
With fuse	SV/F	SVF*** TESVF***	Y	Y	N	Y	Y	Y	N	Not planned	
High-performance product	SV/H	SVH*** TESVH***	Y	Y	N	Y	Y	Y	N	Not planned	
Conventional	SV/S	SVS*** TESVS***	Y	Y	N	Y	Y	Y	N	-	Compatible with E/SV series
	R (extended)	NR***	Y	Y	N	Y	Y	Y	N	-	
	R	NR***	Y	Y	N	Y	Y	Y	N	-	
<b>Resin coated exterior type/insert</b>											
	DN	DN*** TPDN***	Y	Y	N	Y	Y	Y	N	Not planned	
		DHR*** TPDHR***	Y	Y	N	Y	Y	Y	N	Not planned	
	D	ND***	Y	Y	N	Y	Y	Y	N	Discontinued	

- 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.
- This statement does not insure the compliance of any of the listed parts with any laws or legal imperatives developed by any EU members individually with regards to the RoHS Directive.
- The descriptions given in this catalogue are based on product information as of January 2006. Please contact us for information about our current products.
- This catalogue uses only representative series names for products. In order to ensure correct and safe product usage, please request a delivery specification sheet so you can confirm detailed product characteristics.
- Please note that these descriptions are subject to change without notification due to improvements or other reasons.  
Please contact NEC TOKIN regarding custom-made products that are not listed here.

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- All specifications in this catalog and production status of products are subject to change without notice. Prior to the purchase, please contact NEC Tokin for updated product data.
- Please request for a specification sheet for detailed product data prior to the purchase.
- Before using the product in this catalog, please read "Precautions" and other safety precautions listed in the printed version catalog.