

NTC

Material Data Sheet

Product Class		NTC Chip, without leads B57860S*		5					
Date		27.07.2022							
IMDS ID if available									
Version	()5							
Product Part (IMDS: semi component)	Material Cl (IMDS: Materia	(Class	ification)	Substance		TMPS**) [wt%]	CAS if applicable	typical mass of material [wt-%]	Traces see 1)
Active Part	Ceramic	3B	1	Mn ₃ O ₄ NiO Co ₃ O ₄ Dopants*)		64 17 15 4	1317-35-7 1313-99-1 1308-06-1	94	
Termination	Noble Meta	l 1D		Ag Glass frit (Pb-B-silicate) or		95 5	7440-22-4	6	
				Au Glass frit (Pb-B-silicat	e)	95 5	7440-57-5		
							Sum in total:	100	
Not Part of a P	roduct Class								
Contact	ontact Mr. Heinz Strallhofer								
Division	TPS				Important ren	narks:			
Address	8530 Douted				1) The decla	aration limit is 0.		62474 (IEC PAS 61906). 1	
Tel: +43 3462 800 2589 mailto: heinz.strallhofer@tdk.com					 The decla product p 	aration limit is 0. arts, substances		62474 (IEC PAS 61906). 1 percentage of 0.1 % by we	
		nlandsberg, AUS		r@tdk.com	 The decla product p otherwise This Mate 	aration limit is 0. arts, substance regulated. erial Data Sheet	s etc. that are below a contains typical value	percentage of 0.1 % by we s of the respective product	eight, if not s set forth
	Tel: +43 3462 800 eclarable or p	2589 mailt rohibited substan	o: heinz.strallhofer	-	 The decla product p otherwise This Mate herein. W based on or binding ELECTR REPRES STATUTO HEREIN, 	aration limit is 0. arts, substance: regulated. erail Data Sheet e expressly poin our best preser product specific DNICS AG AND ENTATION OR DRY, WITH RE(INCLUDING B	s etc. that are below a contains typical value it out that all values an it knowledge and cam cations, unless otherw ITS AFFILIATES HEI WARRANTY, WHETH SARD TO THE STATTE JT NOT LIMITED TO.	percentage of 0.1 % by we	eight, if not s set forth erein are statements ing. TDK AIM ANY DR DNTAINED DR
*) others: (not d **) typical mass The products s Directive 2011/65/	Tel: +43 3462 800 eclarable or p percentage o et forth here EU of the Europ	22589 mailt rohibited substan f substance in are "RoHS-cco bean Parliament and	o: heinz.strallhofer icces acc. GAD pompatible". Ro d of the Council	oHS-compatible means th of June 8 th , 2011 on the	 The decla product p otherwise This Mate herein. W based on or binding ELECTR(REPRES STATUT(HEREIN, WARRAN Mate products are c restriction of the u 	aration limit is 0. arts, substances regulated. vrial Data Sheet e expressly poin our best preser product specifi DNICS AG AND ENTATION OR DORY, WITH REC INCLUDING BL INCLUDING BL INCLUDI	s etc. that are below a contains typical value at out that all values and t knowledge and cam- rcations, unless otherw ITS AFFILIATES HEI WARRANTY, WHETH GARD TO THE STATE JT NOT LIMITED TO J IANTABILITY OR SUI he requirements accord	percentage of 0.1 % by we s of the respective product d statements contained he tot be regarded as binding ise explicitly agreed in writ REBY EXPRESS, IMPLIED (ER EXPRESS, IMPLIED (MENTS AND VALUES CO ANY REPRESENTATION	eight, if not s set forth prein are statements ing. TDK AIM ANY DR DNTAINED OR POSE. estrictions) of
*) others: (not d **) typical mass The products s Directive 2011/65/ RoHS - Exemp	Tel: +43 3462 800 eclarable or p percentage o et forth here EU of the Europ	22589 mailt rohibited substan f substance in are "RoHS-cco bean Parliament and	o: heinz.strallhofer icces acc. GAD pompatible". Ro d of the Council	OSL) oHS-compatible means th	 The decla product p otherwise This Mate herein. W based on or binding ELECTR(REPRES STATUT(HEREIN, WARRAN Mate products are c restriction of the u 	aration limit is 0. arts, substances regulated. vrial Data Sheet e expressly poin our best preser product specifi DNICS AG AND ENTATION OR DORY, WITH REC INCLUDING BL INCLUDING BL INCLUDI	s etc. that are below a contains typical value at out that all values and t knowledge and cam- rcations, unless otherw ITS AFFILIATES HEI WARRANTY, WHETH GARD TO THE STATE JT NOT LIMITED TO J IANTABILITY OR SUI he requirements accord	percentage of 0.1 % by we s of the respective product nd statements contained he tot be regarded as binding ise explicitly agreed in writ REBY EXPRESS, IMPLIED EMENTS AND VALUES CO ANY REPRESENTATION TABILITY FOR ANY PURF ding to Art. 4 (substance re	eight, if not s set forth prein are statements ing. TDK AIM ANY DR DNTAINED OR POSE. estrictions) of
*) others: (not d **) typical mass The products s Directive 2011/65/	Tel: +43 3462 800 eclarable or p percentage o eet forth here EU of the Europ tions for the	in are "RoHS-ccc product Class /	o: heinz.strallhofer icces acc. GAD ompatible". Re d of the Council Product accc	oHS-compatible means th of June 8 th , 2011 on the	 The decla product p otherwise This Mate herein. W based on or binding ELECTR REPRES STATUT(HEREIN, WARRAN Mat products are c restriction of the u ✓ valid □ not val 	aration limit is 0. arats, substance: regulated. arial Data Sheet fe expressly poin our best preser p product specifi DNICS AG AND ENTATION OR DNICS AG AND ENTATION OR DRY, WITH REC INCLUDING BL ITY OF MERCH ompatible with t ise of certain ha id)	s etc. that are below a contains typical value at out that all values and t knowledge and cam- rcations, unless otherw ITS AFFILIATES HEI WARRANTY, WHETH GARD TO THE STATE JT NOT LIMITED TO J IANTABILITY OR SUI he requirements accord	percentage of 0.1 % by we s of the respective product nd statements contained he tot be regarded as binding ise explicitly agreed in writ REBY EXPRESS, IMPLIED EMENTS AND VALUES CO ANY REPRESENTATION TABILITY FOR ANY PURF ding to Art. 4 (substance re	eight, if not s set forth prein are statements ing. TDK AIM ANY DR DNTAINED OR POSE. estrictions) of
*) others: (not d **) typical mass The products s Directive 2011/65/ RoHS - Exemp no exemptions;	Tel: +43 3462 800 eclarable or p percentage o eet forth here EU of the Europ tions for the Lead as an allog	2589 mailt rohibited substan f substance in are "RoHS-cc bean Parliament and Product Class /	o: heinz.strallhofer icces acc. GAD ompatible". Re d of the Council Product acco r machining purpo	oHS-compatible means th of June 8 th , 2011 on the ording to Annex III: (The decla product p otherwise This Mate herein. W based on or binding ELECTR REPRES STATUT(HEREIN, WARRAN Mat products are c restriction of the u ✓ valid □ not val 	aration limit is 0. arats, substance: regulated. arial Data Sheet fe expressly poin our best preser p product specifi DNICS AG AND ENTATION OR DNICS AG AND ENTATION OR DRY, WITH REC INCLUDING BL ITY OF MERCH ompatible with t ise of certain ha id)	s etc. that are below a contains typical value at out that all values and t knowledge and cam- rcations, unless otherw ITS AFFILIATES HEI WARRANTY, WHETH GARD TO THE STATE JT NOT LIMITED TO J IANTABILITY OR SUI he requirements accord	percentage of 0.1 % by we s of the respective product nd statements contained he tot be regarded as binding ise explicitly agreed in writ REBY EXPRESS, IMPLIED EMENTS AND VALUES CO ANY REPRESENTATION TABILITY FOR ANY PURF ding to Art. 4 (substance re	eight, if not s set forth prein are statements ing. TDK AIM ANY DR DNTAINED OR POSE. estrictions) of
*) others: (not d **) typical mass The products s Directive 2011/65/ RoHS - Exemp In o exemptions; Exemption 6 (a):	Tel: +43 3462 800 eclarable or p percentage o eet forth here EU of the Europ tions for the Lead as an alloy Lead as an alloy	2589 mailt rohibited substan f substance in are "RoHS-cc bean Parliament and Product Class /	o: heinz.strallhofer icces acc. GAD ompatible". Ro d of the Council Product acco r machining purpo um containing up to	oHS-compatible means th of June 8 th , 2011 on the ording to Annex III: (The decla product p otherwise This Mate herein. W based on or binding ELECTR REPRES STATUT(HEREIN, WARRAN Mat products are c restriction of the u ✓ valid □ not val 	aration limit is 0. arats, substance: regulated. arial Data Sheet fe expressly poin our best preser p product specifi DNICS AG AND ENTATION OR DNICS AG AND ENTATION OR DRY, WITH REC INCLUDING BL ITY OF MERCH ompatible with t ise of certain ha id)	s etc. that are below a contains typical value at out that all values and t knowledge and cam- rcations, unless otherw ITS AFFILIATES HEI WARRANTY, WHETH GARD TO THE STATE JT NOT LIMITED TO J IANTABILITY OR SUI he requirements accord	percentage of 0.1 % by we s of the respective product nd statements contained he tot be regarded as binding ise explicitly agreed in writ REBY EXPRESS, IMPLIED EMENTS AND VALUES CO ANY REPRESENTATION TABILITY FOR ANY PURF ding to Art. 4 (substance re	eight, if not s set forth prein are statements ing. TDK AIM ANY DR DNTAINED OR POSE. estrictions) of
*) others: (not d **) typical mass The products s Directive 2011/65/ RoHS - Exemp no exemptions; Exemption 6 (a): Exemption 6 (b):	Tel: +43 3462 800 eclarable or p percentage o eet forth here EU of the Europ tions for the Lead as an alloy Copper alloy co	2589 mailt rohibited substan f substance in are "RoHS-cc bean Parliament and Product Class / ving element in steel fo ving element in atuminu ntaining up to 4 % lead	o: heinz.strallhofer icces acc. GAD ompatible". Ro d of the Council Product acco r machining purpo um containing up to I by weight;	oHS-compatible means th of June 8 th , 2011 on the ording to Annex III: (The decla product p otherwise This Mate herein. W based on or binding ELECTR REPRES STATUTT HEREIN, WARRAN That products are c restriction of the u ☑ valid □ not val ontaining up to 0,35 	aration limit is 0. arts, substance: regulated. prial Data Sheet fe expressly poin our best preser p product specifi DNICS AG AND ENTATION OR DRY, WITH REC INCLUDING BU ITY OF MERCH ompatible with t isse of certain ha id) % lead by weight;	s etc. that are below a contains typical value at out that all values and t knowledge and cam- rcations, unless otherw ITS AFFILIATES HEI WARRANTY, WHETH GARD TO THE STATE JT NOT LIMITED TO J IANTABILITY OR SUI he requirements accord	percentage of 0.1 % by we s of the respective product nd statements contained he tot be regarded as binding ise explicitly agreed in writ REBY EXPRESS, IMPLIED EMENTS AND VALUES CO ANY REPRESENTATION TABILITY FOR ANY PURF ding to Art. 4 (substance re	eight, if not s set forth prein are statements ing. TDK AIM ANY DR DNTAINED OR POSE. estrictions) of
*) others: (not d **) typical mass The products s Directive 2011/65/ RoHS - Exemp no exemptions; Exemption 6 (a): Exemption 6 (b): Exemption 6 (c): Exemption 6 (c): Exemption 7 (a):	Tel: +43 3462 800 eclarable or p percentage o et forth here EU of the Europ tions for the Lead as an alloy Copper alloy co Lead in high me	2589 mailt rohibited substan f substance in are "RoHS-cc bean Parliament and Product Class / ving element in steel fo ving element in aluminu ntaining up to 4 % lead Iting temperature type	o: heinz.strallhofer icces acc. GAD ompatible". Ro d of the Council Product acco r machining purpo- um containing up tr I by weight; solder (i.e. lead-ba	OSL) oHS-compatible means th of June 8 th , 2011 on the ording to Annex III: (uses and in galvanized steel c to 0,4 % lead by weight; ased alloys containing 85 % to	 The decla product p otherwise This Mate herein. W based on or binding ELECTRI REPRES STATUTO, HEREIN, WARRAN That products are c restriction of the u valid □ not val ontaining up to 0,35 	aration limit is 0. arats, substance: regulated. vrial Data Sheet fe expressly poin our best preser product specifi DNICS AG AND ENTATION OR DRY, WITH REC INCLUDING BU ITY OF MERCH ompatible with t isse of certain ha id) % lead by weight; d);	s etc. that are below a contains typical value it out that all values and throwledge and cam cations, unless otherw ITS AFFILIATES HEI WARRANTY, WHETH SARD TO THE STATE JT NOT LIMITED TO JANTABILITY OR SUI ne requirements accon zardous substances in	percentage of 0.1 % by we s of the respective product nd statements contained he tot be regarded as binding ise explicitly agreed in writ REBY EXPRESS, IMPLIED EMENTS AND VALUES CO ANY REPRESENTATION TABILITY FOR ANY PURF ding to Art. 4 (substance re	eight, if not s set forth erein are statements ing. TDK .AIM ANY DR DNTAINED OR OSE. estrictions) of quipment.
*) others: (not d **) typical mass The products s Directive 2011/65/ RoHS - Exemp no exemptions; Exemption 6 (a): Exemption 6 (b): Exemption 6 (c): Exemption 6 (c): Exemption 7 (a):	Tel: +43 3462 800 eclarable or p percentage o et forth here EU of the Europ tions for the Lead as an alloy Copper alloy co Lead in high me Electrical and el	2589 mailt rohibited substan f substance in are "RoHS-cc bean Parliament and Product Class / ving element in steel fo ving element in aluminu ntaining up to 4 % lead lting temperature type ectronic components c	o: heinz.strallhofer icces acc. GAD ompatible". Ro d of the Council Product acco r machining purpo- um containing up tr I by weight; solder (i.e. lead-ba containing lead in a	OSL) oHS-compatible means th of June 8 th , 2011 on the ording to Annex III: (uses and in galvanized steel c to 0,4 % lead by weight; ased alloys containing 85 % to	 The decla product p otherwise This Mate herein. W based on or binding ELECTRC REPRES STATUTO, HEREIN, WARRAN That products are c restriction of the u valid □ not val ontaining up to 0,35 	aration limit is 0. arats, substance: regulated. vrial Data Sheet fe expressly poin our best preser product specifi DNICS AG AND ENTATION OR DRY, WITH REC INCLUDING BU ITY OF MERCH ompatible with t isse of certain ha id) % lead by weight; d);	s etc. that are below a contains typical value it out that all values and throwledge and cam cations, unless otherw ITS AFFILIATES HEI WARRANTY, WHETH SARD TO THE STATE JT NOT LIMITED TO JANTABILITY OR SUI ne requirements accon zardous substances in	percentage of 0.1 % by we s of the respective product d statements contained he tot be regarded as binding ise explicitly agreed in writ REBY EXPRESS, IMPLIED 0 EREXTRESS, IMPLIED 0 EMENTS AND VALUES CO ANY REPRESENTATION 1 TABILITY FOR ANY PURP rding to Art. 4 (substance re electrical and electronic e	eight, if not s set forth erein are statements ing. TDK .AIM ANY DR DNTAINED OR OSE. estrictions) of quipment.
*) others: (not d **) others: (not d **) typical mass Directive 2011/65/ RoHS - Exemptions; Exemption 6 (a): Exemption 6 (b): Exemption 6 (c): Exemption 7 (a): Exemption 7 (c)-II Exemption 7 (c)-II Exemption 7 (c)-II	Tel: +43 3462 800 ecclarable or p percentage o percentage o tet forth here EU of the Europ tions for the Lead as an alloy Copper alloy co Lead in high me Electrical and el : Lead in dielectri	2589 mailt rohibited substan f substance in are "RoHS-ccc bean Parliament and Product Class / ving element in steel fo ving element in aluminu ntaining up to 4 % lead lting temperature type ectronic components c c ceramic in capacitors	o: heinz.strallhofer icces acc. GAD ompatible". Ro d of the Council Product acco r machining purpo um containing up to I by weight; solder (i.e. lead-be containing lead in a s for a rated voltage	oHS-compatible means th of June 8 th , 2011 on the ording to Annex III: (uses and in galvanized steel c to 0,4 % lead by weight; ased alloys containing 85 % to a glass or ceramic other than	 The decla product p otherwise This Mate herein. W based on or binding ELECTRC REPRES STATUTO, HEREIN, WARRAN That products are c restriction of the u valid □ not val ontaining up to 0,35 by weight or more leadilelectric ceramic in a righter; 	aration limit is 0. arats, substance: regulated. vrial Data Sheet fe expressly poin our best preser product specifi DNICS AG AND ENTATION OR DRY, WITH REC INCLUDING BU ITY OF MERCH ompatible with t isse of certain ha id) % lead by weight; d);	s etc. that are below a contains typical value it out that all values and throwledge and cam cations, unless otherw ITS AFFILIATES HEI WARRANTY, WHETH SARD TO THE STATE JT NOT LIMITED TO JANTABILITY OR SUI ne requirements accon zardous substances in	percentage of 0.1 % by we s of the respective product d statements contained he tot be regarded as binding ise explicitly agreed in writ REBY EXPRESS, IMPLIED 0 EREXTRESS, IMPLIED 0 EMENTS AND VALUES CO ANY REPRESENTATION 1 TABILITY FOR ANY PURP rding to Art. 4 (substance re electrical and electronic e	eight, if not s set forth erein are statements ing. TDK .AIM ANY DR DNTAINED OR OSE. estrictions) of quipment.
*) others: (not d **) others: (not d **) typical mass Directive 2011/65/ RoHS - Exemptions; Exemption 6 (a): Exemption 6 (b): Exemption 6 (c): Exemption 7 (a): Exemption 7 (c)-I: Exemption 7 (c)-I: Exemption 7 (c)-I: Exemption 7 (c)-I: Exemption 7 (c)-I: Exemption 7 (c)-I: Exemption 7 (c)-I:	Tel: +43 3462 800 eclarable or p percentage o percentage o tet forth here EU of the Europ tions for the Lead as an alloy Copper alloy co Lead in high me Electrical and el Electrical and el Lead in dielectri Lead in solders	2589 mailt rohibited substan f substance in are "RoHS-ccc bean Parliament and Product Class / ving element in aluminu ntaining up to 4 % lead lting temperature type ectronic components c c ceramic in capacitors c ceramic in capacitors	c: heinz.strallhofer icces acc. GAD ompatible". Ro d of the Council Product accco r machining purpor um containing up to l by weight; solder (i.e. lead-be containing lead in a 5 for a rated voltage 5 for a rated voltage cortical connection	oHS-compatible means th of June 8 th , 2011 on the ording to Annex III: (uses and in galvanized steel c to 0,4 % lead by weight; ased alloys containing 85 % h a glass or ceramic other than le of 125 V AC or 250 V DC o	 The decla product p otherwise This Mate herein. W based on or binding ELECTRC REPRES STATUTC HEREIN, WARRAN That products are c restriction of the u valid □ not val ontaining up to 0,35 by weight or more leadilelectric ceramic in r higher; to V DC; 	aration limit is 0. arats, substance: regulated. arial Data Sheet le expressly poin our best preser product specifi DNICS AG AND ENTATION OR DRY, WITH REC- INCLUDING BU ITY OF MERCH- ompatible with t isse of certain ha id) % lead by weight; d); capacitors, e.g. pie	s etc. that are below a contains typical value at out that all values an t knowledge and cam rcations, unless otherw ITS AFFILIATES HEI WARRANTY, WHETH GARD TO THE STATE JT NOT LIMITED TO J IANTABILITY OR SUI ne requirements accon zardous substances in	percentage of 0.1 % by we s of the respective product d statements contained he tot be regarded as binding ise explicitly agreed in writ REBY EXPRESS, IMPLIED 0 EREXTRESS, IMPLIED 0 EMENTS AND VALUES CO ANY REPRESENTATION 1 TABILITY FOR ANY PURP rding to Art. 4 (substance re electrical and electronic e	eight, if not s set forth erein are statements ing. TDK .AIM ANY DR DNTAINED OR OSE. estrictions) of quipment.