



October 01, 2014

Dear Valued Customers,

Product Discontinuation Notice: Metal Oxide Varistors TNR G-series

Nippon Chemi-Con would like to notify all customers that the Metal Oxide Varistors TNR G-series will be discontinued.

TNR G-series is known as through-hole type varistor for many years, but transition to V-series had been made and it caused the demand for G-series to decline rapidly.

In this situation, we will no longer seek to extend UL1449 certification in the coming revision of the standard. G-series UL-1449 2nd certification will expire in March 2016, therefore, we would like to encourage all customers to approve our V-series as the alternative product. While we regret any inconvenience this notification may cause, Nippon Chemi-Con would like to seek your kind understanding on this matter.

1. Affected Series

Metal Oxide Varistors TNR G-series

2. Discontinuation period

Last time buy: End of August, 2015

Last time shipment: End of February, 2016

Please contact your local sales representative should you need assistance with this discontinuation notice.

Best regards,

A handwritten signature in black ink, appearing to read "Noriaki Kakizaki".

Noriaki Kakizaki

Division Manager

Sales Headquarters

Nippon Chemi-Con Corp.



Metal Oxide Varistors TNR G Series Replacements

Discontinued TNR G Series					
Part Number	Previous Part Number (just for your reference)	φ	Varistor Voltage	Max. Peak Current 8/20 μs(A)	
				1 time	2 times
TND07G-180KB00AAA0	TNR7G180K	7	18	100	60
TND07G-220KB00AAA0	TNR7G220K		22		
TND07G-270KB00AAA0	TNR7G270K		27		
TND07G-330KB00AAA0	TNR7G330K		33		
TND07G-390KB00AAA0	TNR7G390K		39		
TND07G-470KB00AAA0	TNR7G470K		47		
TND07G-560KB00AAA0	TNR7G560K		56	400	250
TND07G-680KB00AAA0	TNR7G680K		68		
TND07G-820KB00AAA0	TNR7G820K		82		
TND07G-101KB00AAA0	TNR7G101K		100		
TND07G-121KB00AAA0	TNR7G121K		120		
TND07G-151KB00AAA0	TNR7G151K		150		
TND07G-181KB00AAA0	TNR7G181K		180		
TND07G-201KB00AAA0	TNR7G201K		200		
TND07G-221KB00AAA0	TNR7G221K		220		
TND07G-241KB00AAA0	TNR7G241K		240		
TND07G-271KB00AAA0	TNR7G271K	270			
TND07G-331KB00AAA0	TNR7G331K	330			
TND07G-361KB00AAA0	TNR7G361K	360			
TND07G-391KB00AAA0	TNR7G391K	390			
TND07G-431KB00AAA0	TNR7G431K	430			
TND07G-471KB00AAA0	TNR7G471K	470			
TND09G-150KB00AAA0	TNR9G150K	9	15	250	125
TND09G-180KB00AAA0	TNR9G180K		18		
TND09G-220KB00AAA0	TNR9G220K		22		
TND09G-270KB00AAA0	TNR9G270K		27		
TND09G-330KB00AAA0	TNR9G330K		33		
TND09G-390KB00AAA0	TNR9G390K		39		
TND09G-470KB00AAA0	TNR9G470K		47	1200	600
TND09G-560KB00AAA0	TNR9G560K		56		
TND09G-680KB00AAA0	TNR9G680K		68		
TND09G-820KB00AAA0	TNR9G820K		82		
TND09G-101KB00AAA0	TNR9G101K		100		
TND09G-121KB00AAA0	TNR9G121K		120		
TND09G-151KB00AAA0	TNR9G151K		150		
TND09G-181KB00AAA0	TNR9G181K		180		
TND09G-201KB00AAA0	TNR9G201K		200		
TND09G-221KB00AAA0	TNR9G221K		220		
TND09G-241KB00AAA0	TNR9G241K	240			
TND09G-271KB00AAA0	TNR9G271K	270			
TND09G-331KB00AAA0	TNR9G331K	330			
TND09G-361KB00AAA0	TNR9G361K	360			
TND09G-391KB00AAA0	TNR9G391K	390			
TND09G-431KB00AAA0	TNR9G431K	430			
TND09G-471KB00AAA0	TNR9G471K	470			
TND09G-511KB00AAA0	TNR9G511K	510			

Replacements TNR V Series					
Part Number	Previous Part Number (just for your reference)	φ	Varistor Voltage	Max. Peak Current 8/20 μs(A)	
				1 time	2 times
TND05V-180KB00AAA0	TNR5V180K	5	18	250	125
TND05V-220KB00AAA0	TNR5V220K		22		
TND05V-270KB00AAA0	TNR5V270K		27		
TND05V-330KB00AAA0	TNR5V330K		33		
TND05V-390KB00AAA0	TNR5V390K		39		
TND05V-470KB00AAA0	TNR5V470K		47		
TND05V-560KB00AAA0	TNR5V560K		56		
TND05V-680KB00AAA0	TNR5V680K		68		
TND05V-820KB00AAA0	TNR5V820K		82		
TND05V-101KB00AAA0	TNR5V101K		100		
TND05V-121KB00AAA0	TNR5V121K		120		
TND05V-151KB00AAA0	TNR5V151K		150		
TND05V-181KB00AAA0	TNR5V181K		180		
TND05V-201KB00AAA0	TNR5V201K		200		
TND05V-221KB00AAA0	TNR5V221K		220		
TND05V-241KB00AAA0	TNR5V241K		240		
TND05V-271KB00AAA0	TNR5V271K	270			
TND05V-331KB00AAA0	TNR5V331K	330			
TND05V-361KB00AAA0	TNR5V361K	360			
TND05V-391KB00AAA0	TNR5V391K	390			
TND05V-431KB00AAA0	TNR5V431K	430			
TND05V-471KB00AAA0	TNR5V471K	470			
TND07V-150KB00AAA0	TNR7V150K	7	15	500	250
TND07V-180KB00AAA0	TNR7V180K		18		
TND07V-220KB00AAA0	TNR7V220K		22		
TND07V-270KB00AAA0	TNR7V270K		27		
TND07V-330KB00AAA0	TNR7V330K		33		
TND07V-390KB00AAA0	TNR7V390K		39		
TND07V-470KB00AAA0	TNR7V470K		47		
TND07V-560KB00AAA0	TNR7V560K		56		
TND07V-680KB00AAA0	TNR7V680K		68		
TND07V-820KB00AAA0	TNR7V820K		82		
TND07V-101KB00AAA0	TNR7V101K		100		
TND07V-121KB00AAA0	TNR7V121K		120		
TND07V-151KB00AAA0	TNR7V151K		150		
TND07V-181KB00AAA0	TNR7V181K		180		
TND07V-201KB00AAA0	TNR7V201K		200		
TND07V-221KB00AAA0	TNR7V221K		220		
TND07V-241KB00AAA0	TNR7V241K	240			
TND07V-271KB00AAA0	TNR7V271K	270			
TND07V-331KB00AAA0	TNR7V331K	330			
TND07V-361KB00AAA0	TNR7V361K	360			
TND07V-391KB00AAA0	TNR7V391K	390			
TND07V-431KB00AAA0	TNR7V431K	430			
TND07V-471KB00AAA0	TNR7V471K	470			
TND07V-511KB00AAA0	TNR7V511K	510			

Discontinued TNR G Series					
Part Number	Previous Part Number (just for your reference)	ϕ	Varistor Voltage	Max. Peak Current 8/20 μ s(A)	
				1 time	2 times
TND12G-150KB00AAA0	TNR12G150K	12	15	500	250
TND12G-180KB00AAA0	TNR12G180K		18		
TND12G-220KB00AAA0	TNR12G220K		22		
TND12G-270KB00AAA0	TNR12G270K		27		
TND12G-330KB00AAA0	TNR12G330K		33		
TND12G-390KB00AAA0	TNR12G390K		39		
TND12G-470KB00AAA0	TNR12G470K		47		
TND12G-560KB00AAA0	TNR12G560K		56		
TND12G-680KB00AAA0	TNR12G680K		68		
TND12G-820KB00AAA0	TNR12G820K		82		
TND12G-101KB00AAA0	TNR12G101K		100		
TND12G-121KB00AAA0	TNR12G121K		120		
TND12G-151KB00AAA0	TNR12G151K		150		
TND12G-181KB00AAA0	TNR12G181K		180		
TND12G-201KB00AAA0	TNR12G201K		200		
TND12G-221KB00AAA0	TNR12G221K	220			
TND12G-241KB00AAA0	TNR12G241K	240			
TND12G-271KB00AAA0	TNR12G271K	270			
TND12G-331KB00AAA0	TNR12G331K	330			
TND12G-361KB00AAA0	TNR12G361K	360			
TND12G-391KB00AAA0	TNR12G391K	390			
TND12G-431KB00AAA0	TNR12G431K	430			
TND12G-471KB00AAA0	TNR12G471K	470			
TND12G-511KB00AAA0	TNR12G511K	510			
TND12G-561KB00AAA0	TNR12G561K	560			
TND12G-621KB00AAA0	TNR12G621K	620			
TND12G-681KB00AAA0	TNR12G681K	680			
TND12G-751KB00AAA0	TNR12G751K	750			
TND12G-821KB00AAA0	TNR12G821K	820			
TND12G-911KB00AAA0	TNR12G911K	910			
TND12G-102KB00AAA0	TNR12G102K	1000			
TND12G-112KB00AAA0	TNR12G112K	1100			
TND12G-122KB00AAA0	TNR12G122K	1200			
TND12G-152KB00AAA0	TNR12G152K	1500			
TND12G-182KB00AAA0	TNR12G182K	1800			

Replacements TNR V Series					
Part Number	Previous Part Number (just for your reference)	ϕ	Varistor Voltage	Max. Peak Current 8/20 μ s(A)	
				1 time	2 times
TND10V-150KB00AAA0	TNR10V150K	10	15	1000	500
TND10V-180KB00AAA0	TNR10V180K		18		
TND10V-220KB00AAA0	TNR10V220K		22		
TND10V-270KB00AAA0	TNR10V270K		27		
TND10V-330KB00AAA0	TNR10V330K		33		
TND10V-390KB00AAA0	TNR10V390K		39		
TND10V-470KB00AAA0	TNR10V470K		47		
TND10V-560KB00AAA0	TNR10V560K		56		
TND10V-680KB00AAA0	TNR10V680K		68		
TND10V-820KB00AAA0	TNR10V820K		82		
TND10V-101KB00AAA0	TNR10V101K		100		
TND10V-121KB00AAA0	TNR10V121K		120		
TND10V-151KB00AAA0	TNR10V151K		150		
TND10V-181KB00AAA0	TNR10V181K		180		
TND10V-201KB00AAA0	TNR10V201K		200		
TND10V-221KB00AAA0	TNR10V221K	220			
TND10V-241KB00AAA0	TNR10V241K	240			
TND10V-271KB00AAA0	TNR10V271K	270			
TND10V-331KB00AAA0	TNR10V331K	330			
TND10V-361KB00AAA0	TNR10V361K	360			
TND10V-391KB00AAA0	TNR10V391K	390			
TND10V-431KB00AAA0	TNR10V431K	430			
TND10V-471KB00AAA0	TNR10V471K	470			
TND10V-511KB00AAA0	TNR10V511K	510			
TND10V-561KB00AAA0	TNR10V561K	560			
TND10V-621KB00AAA0	TNR10V621K	620			
TND10V-681KB00AAA0	TNR10V681K	680			
TND10V-751KB00AAA0	TNR10V751K	750			
TND10V-821KB00AAA0	TNR10V821K	820			
TND10V-911KB00AAA0	TNR10V911K	910			
TND10V-102KB00AAA0	TNR10V102K	1000			
TND10V-112KB00AAA0	TNR10V112K	1100			
TND10V-122KB00AAA0	TNR10V122K	1200			
TND10V-152KB00AAA0	TNR10V152K	1500			
TND10V-182KB00AAA0	TNR10V182K	1800			

Discontinued TNR G Series					
Part Number	Previous Part Number (just for your reference)	ϕ	Varistor Voltage	Max. Peak Current 8/20 μ s(A)	
				1 time	2 times
TND15G-150KB00AAA0	TNR15G150K	15	15	1000	500
TND15G-180KB00AAA0	TNR15G180K		18		
TND15G-220KB00AAA0	TNR15G220K		22		
TND15G-270KB00AAA0	TNR15G270K		27		
TND15G-330KB00AAA0	TNR15G330K		33		
TND15G-390KB00AAA0	TNR15G390K		39		
TND15G-470KB00AAA0	TNR15G470K		47		
TND15G-560KB00AAA0	TNR15G560K		56		
TND15G-680KB00AAA0	TNR15G680K		68		
TND15G-820KB00AAA0	TNR15G820K		82		
TND15G-101KB00AAA0	TNR15G101K	15	100	4500	2500
TND15G-121KB00AAA0	TNR15G121K		120		
TND15G-151KB00AAA1	TNR15G151K		150		
TND15G-181KB00AAA0	TNR15G181K		180		
TND15G-201KB00AAA0	TNR15G201K		200		
TND15G-221KB00AAA0	TNR15G221K		220		
TND15G-241KB00AAA0	TNR15G241K		240		
TND15G-271KB00AAA0	TNR15G271K		270		
TND15G-331KB00AAA0	TNR15G331K		330		
TND15G-361KB00AAA0	TNR15G361K		360		
TND15G-391KB00AAA0	TNR15G391K	390			
TND15G-431KB00AAA0	TNR15G431K	430			
TND15G-471KB00AAA0	TNR15G471K	470			
TND15G-511KB00AAA0	TNR15G511K	510			
TND15G-561KB00AAA0	TNR15G561K	560			
TND15G-621KB00AAA0	TNR15G621K	620			
TND15G-681KB00AAA0	TNR15G681K	680			
TND15G-751KB00AAA0	TNR15G751K	750			
TND15G-821KB00AAA0	TNR15G821K	820			
TND15G-911KB00AAA0	TNR15G911K	910			
TND15G-102KB00AAA0	TNR15G102K	1000			
TND15G-112KB00AAA0	TNR15G112K	1100			
TND15G-122KB00AAA0	TNR15G122K	1200			
TND15G-152KB00AAA0	TNR15G152K	1500			
TND15G-182KB00AAA0	TNR15G182K	1800			

Replacements TNR V Series					
Part Number	Previous Part Number (just for your reference)	ϕ	Varistor Voltage	Max. Peak Current 8/20 μ s(A)	
				1 time	2 times
TND14V-150KB00AAA0	TNR14V150K	14	15	2000	1000
TND14V-180KB00AAA0	TNR14V180K		18		
TND14V-220KB00AAA0	TNR14V220K		22		
TND14V-270KB00AAA0	TNR14V270K		27		
TND14V-330KB00AAA0	TNR14V330K		33		
TND14V-390KB00AAA0	TNR14V390K		39		
TND14V-470KB00AAA0	TNR14V470K		47		
TND14V-560KB00AAA0	TNR14V560K		56		
TND14V-680KB00AAA0	TNR14V680K		68		
TND14V-820KB00AAA0	TNR14V820K		82		
TND14V-101KB00AAA0	TNR14V101K	14	100	6000	5000
TND14V-121KB00AAA0	TNR14V121K		120		
TND14V-151KB00AAA0	TNR14V151K		150		
TND14V-181KB00AAA0	TNR14V181K		180		
TND14V-201KB00AAA0	TNR14V201K		200		
TND14V-221KB00AAA0	TNR14V221K		220		
TND14V-241KB00AAA0	TNR14V241K		240		
TND14V-271KB00AAA0	TNR14V271K		270		
TND14V-331KB00AAA0	TNR14V331K		330		
TND14V-361KB00AAA0	TNR14V361K		360		
TND14V-391KB00AAA0	TNR14V391K	390			
TND14V-431KB00AAA0	TNR14V431K	430			
TND14V-471KB00AAA0	TNR14V471K	470			
TND14V-511KB00AAA0	TNR14V511K	510			
TND14V-561KB00AAA0	TNR14V561K	560			
TND14V-621KB00AAA0	TNR14V621K	620			
TND14V-681KB00AAA0	TNR14V681K	680			
TND14V-751KB00AAA0	TNR14V751K	750			
TND14V-821KB00AAA0	TNR14V821K	820			
TND14V-911KB00AAA0	TNR14V911K	910			
TND14V-102KB00AAA0	TNR14V102K	1000			
TND14V-112KB00AAA0	TNR14V112K	1100			
TND14V-122KB00AAA0	TNR14V122K	1200			
TND14V-152KB00AAA0	TNR14V152K	1500			
TND14V-182KB00AAA0	TNR14V182K	1800			

Discontinued TNR G Series					
Part Number	Previous Part Number (just for your reference)	ϕ	Varistor Voltage	Max. Peak Current 8/20 μ s(A)	
				1 time	2 times
TND23G-180KB00AAA0	TNR23G180K	23	18	2000	1000
TND23G-220KB00AAA0	TNR23G220K		22		
TND23G-270KB00AAA0	TNR23G270K		27		
TND23G-330KB00AAA0	TNR23G330K		33		
TND23G-390KB00AAA0	TNR23G390K		39		
TND23G-470KB00AAA0	TNR23G470K		47		
TND23G-560KB00AAA0	TNR23G560K		56		
TND23G-680KB00AAA0	TNR23G680K		68		
TND23G-820KB00AAA0	TNR23G820K		82		
TND23G-101KB00AAA0	TNR23G101K		100		
TND23G-121KB00AAA0	TNR23G121K	120	6500	4500	
TND23G-151KB00AAA0	TNR23G151K	150			
TND23G-181KB00AAA0	TNR23G181K	180			
TND23G-201KB00AAA0	TNR23G201K	200			
TND23G-221KB00AAA0	TNR23G221K	220			
TND23G-241KB00AAA0	TNR23G241K	240			
TND23G-271KB00AAA0	TNR23G271K	270			
TND23G-331KB00AAA0	TNR23G331K	330			
TND23G-361KB00AAA0	TNR23G361K	360			
TND23G-391KB00AAA0	TNR23G391K	390			
TND23G-431KB00AAA0	TNR23G431K	430	6500	4500	
TND23G-471KB00AAA0	TNR23G471K	470			
TND23G-511KB00AAA0	TNR23G511K	510			
TND23G-561KB00AAA0	TNR23G561K	560			
TND23G-621KB00AAA0	TNR23G621K	620			
TND23G-681KB00AAA0	TNR23G681K	680			
TND23G-751KB00AAA0	TNR23G751K	750			
TND23G-821KB00AAA0	TNR23G821K	820			
TND23G-911KB00AAA0	TNR23G911K	910			
TND23G-102KB00AAA0	TNR23G102K	1000			
TND23G-112KB00AAA0	TNR23G112K	1100			
TND23G-122KB00AAA0	TNR23G122K	1200			
TND23G-152KB00AAA0	TNR23G152K	1500			
TND23G-182KB00AAA0	TNR23G182K	1800			

Replacements TNR V Series					
Part Number	Previous Part Number (just for your reference)	ϕ	Varistor Voltage	Max. Peak Current 8/20 μ s(A)	
				1 time	2 times
TND20V-180KB00AAA0	TNR20V180K	20	18	3000	2000
TND20V-220KB00AAA0	TNR20V220K		22		
TND20V-270KB00AAA0	TNR20V270K		27		
TND20V-330KB00AAA0	TNR20V330K		33		
TND20V-390KB00AAA0	TNR20V390K		39		
TND20V-470KB00AAA0	TNR20V470K		47		
TND20V-560KB00AAA0	TNR20V560K		56		
TND20V-680KB00AAA0	TNR20V680K		68		
TND20V-820KB00AAA0	TNR20V820K		82		
TND20V-101KB00AAA0	TNR20V101K		100		
TND20V-121KB00AAA0	TNR20V121K	120	10000	7000	
TND20V-151KB00AAA0	TNR20V151K	150			
TND20V-181KB00AAA0	TNR20V181K	180			
TND20V-201KB00AAA0	TNR20V201K	200			
TND20V-221KB00AAA0	TNR20V221K	220			
TND20V-241KB00AAA0	TNR20V241K	240			
TND20V-271KB00AAA0	TNR20V271K	270			
TND20V-331KB00AAA0	TNR20V331K	330			
TND20V-361KB00AAA0	TNR20V361K	360			
TND20V-391KB00AAA0	TNR20V391K	390			
TND20V-431KB00AAA0	TNR20V431K	430	7500	6500	
TND20V-471KB00AAA0	TNR20V471K	470			
TND20V-511KB00AAA0	TNR20V511K	510			
TND20V-561KB00AAA0	TNR20V561K	560			
TND20V-621KB00AAA0	TNR20V621K	620			
TND20V-681KB00AAA0	TNR20V681K	680			
TND20V-751KB00AAA0	TNR20V751K	750			
TND20V-821KB00AAA0	TNR20V821K	820			
TND20V-911KB00AAA0	TNR20V911K	910			
TND20V-102KB00AAA0	TNR20V102K	1000			
TND20V-112KB00AAA0	TNR20V112K	1100			
TND20V-122KB00AAA0	TNR20V122K	1200			
TND20V-152KB00AAA0	TNR20V152K	1500			
TND20V-182KB00AAA0	TNR20V182K	1800			