

Attn: Moduli Elettronici e Componenti S.p.A.

Date: 14<sup>th</sup> May 2021

NRND (Not Recommended for New Design) notice of NSPE-S series

Hereby we announce the NRND of NSPE-S series.

We will keep supporting for the NSPE-S parts used in the existing designs.

1. Reason of NRND

· NSPE-S is very old and declining series. Our factory needs to improve manufacturing efficiency by selecting items.

2. The alternate parts for NRND products

· Please refer to the attached lists for the alternates for NSPE-S by part to part in the next page.

Thank you very much for your kind understanding and cooperation on this issue.

Sincerely,



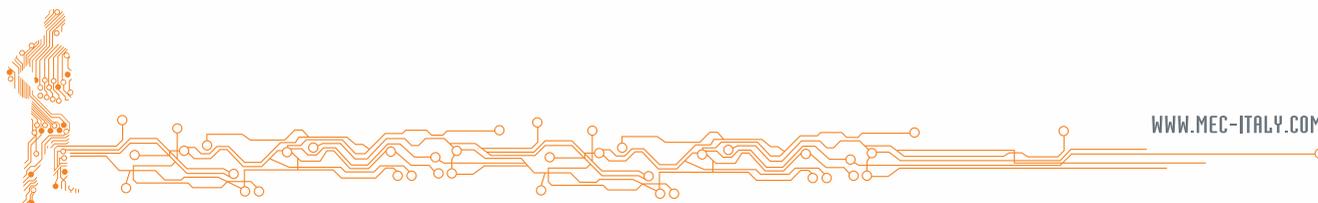
Nippon Industries Co., Ltd.

(Title) Engineering Manager

(Name) Osamu Hikino

A handwritten signature in black ink, appearing to read 'Osamu Hikino', written over a horizontal line.

(Signature)



The suggested alternate PN for the NSPE-S parts



Nippon Industries Co., Ltd.

NRND PART NUMBER	Cap. (µF)	Working Voltage	Case Size (D X L) mm	Max. Leakage Current (µA) After 2 minutes	Max. ESR (mΩ) AT 100kHz/20°C	Max. Ripple Current (mA rms) AT 100kHz/105°C	Life(h)/105°C
NSPE-S101M6.3V6.3X6.3TR15F	100	6.3	6.3X6.3	126	36	1630	3000
NSPE-S151M6.3V6.3X6.3TR15F	150	6.3	6.3X6.3	189	36	1630	3000
NSPE-S221M6.3V6.3X8TR15F	220	6.3	6.3X8	278	32	2020	3000
NSPE-S221M6.3V8X10.8TR15F	220	6.3	8X10.8	278	16	3150	5000
NSPE-S331M6.3V8X10.8TR15F	330	6.3	8X10.8	416	16	3150	5000
NSPE-S391M6.3V8X10.8TR15F	390	6.3	8X10.8	492	16	3150	5000
NSPE-S471M6.3V8X10.8TR15F	470	6.3	8X10.8	593	16	3150	5000
NSPE-S561M6.3V8X10.8TR15F	560	6.3	8X10.8	706	16	3150	5000
NSPE-S681M6.3V10X10.8TR15F	680	6.3	10X10.8	857	15	3890	5000
NSPE-S821M6.3V10X10.8TR15F	820	6.3	10X10.8	1034	15	3890	5000
NSPE-S102M6.3V10X10.8TR15F	1000	6.3	10X10.8	1260	15	3890	5000
NSPE-S330M10V6.3X6.3TR15F	33	10	6.3X6.3	100	40	1510	3000
NSPE-S470M10V6.3X6.3TR15F	47	10	6.3X6.3	100	40	1510	3000
NSPE-S680M10V6.3X6.3TR15F	68	10	6.3X6.3	136	40	1510	3000
NSPE-S101M10V6.3X8TR15F	100	10	6.3X8	200	35	1910	3000
NSPE-S101M10V8X10.8TR15F	100	10	8x10.8	200	18	2800	5000
NSPE-S151M10V6.3X8TR15F	150	10	6.3x8	300	35	1910	3000
NSPE-S151M10V8X10.8TR15F	150	10	8X10.8	300	18	2800	5000
NSPE-S221M10V8X10.8TR15F	220	10	8X10.8	440	18	2800	5000
NSPE-S331M10V8X10.8TR15F	330	10	8X10.8	660	18	2800	5000
NSPE-S471M10V10X10.8TR15F	470	10	10X10.8	940	16	3650	5000
NSPE-S561M10V10X10.8TR15F	560	10	10X10.8	1120	16	3650	5000
NSPE-S100M16V6.3X6.3TR15F	10	16	6.3X6.3	100	54	1130	3000
NSPE-S220M16V6.3X6.3TR15F	22	16	6.3X6.3	100	54	1130	3000
NSPE-S330M16V6.3X6.3TR15F	33	16	6.3X6.3	106	54	1130	3000
NSPE-S470M16V6.3X8TR15F	47	16	6.3X8	151	45	1480	3000
NSPE-S470M16V8X10.8TR15F	47	16	8X10.8	151	22	2290	5000
NSPE-S680M16V8X10.8TR15F	68	16	8X10.8	218	22	2290	5000
NSPE-S101M16V8X10.8TR15F	100	16	8X10.8	320	22	2290	5000
NSPE-S151M16V10X10.8TR15F	150	16	10X10.8	480	20	2920	5000

Suggested alternate PN	Cap. (µF)	Working Voltage	Case Size (D X L) mm	Max. Leakage Current (µA) After 2 minutes	Max. ESR (mΩ) AT 100kHz/20°C	Max. Ripple Current (mA rms) AT 100kHz/105°C	Life(h)/105°C
NSPE-TS151M6.3V6.3X6.3□LBYF	150	6.3	6.3x6.3	100	36	1700	5000
	150	6.3	6.3x6.3	100	36	1700	5000
NSPE-TS221M6.3V6.3X8□LBYF	220	6.3	6.3x8	100	32	2100	5000
N/A							
NSPE-TS561M6.3V8X10.8□LBYF	560	6.3	8X10.8	176.4	16	3200	5000
	560	6.3	8X10.8	176.4	16	3200	5000
	560	6.3	8X10.8	176.4	16	3200	5000
	560	6.3	8X10.8	176.4	16	3200	5000
N/A							
N/A							
NSPE-TS102M6.3V10X10.8□LBYF	1000	6.3	10X10.8	315	15	3900	5000
N/A							
NSPE-TS101M10V6.3X6.3□LBYF	100	10	6.3X6.3	100	36	1700	5000
	100	10	6.3X6.3	100	36	1700	5000
	100	10	6.3X6.3	100	36	1700	5000
N/A							
NSPE-TS151M10V6.3X8□LBYF	150	10	6.3x8	100	32	2100	5000
	150	10	6.3x8	100	32	2100	5000
NSPE-TS471M10V8X10.8□LBYF	470	10	8X10.8	235	16	3200	5000
	470	10	8X10.8	235	16	3200	5000
	470	10	8X10.8	235	16	3200	5000
NSPE-TS821M10V10X10.8□LBYF	820	10	10X10.8	410	16	3900	5000
N/A							
N/A							
N/A							
N/A							
N/A							
N/A							
NSPE-HZ271M16V8X10.8NLBYF	270	16	8x10.8	43.2	23	2820	5000
	270	16	8x10.8	43.2	23	2820	5000

NSPE-TS is tentative at the moment and the specification other than ones shown in this table will be decided. Samples are available upon request.

Superior than NSPE-S → Blue text

Inferior than NSPE-S → Red text

Reel size will be 15 inch for replacement PNs