

Ag (Silver) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
SAG2	2	0.05
SAG4	4	0.1
SAG10	10	0.25
SAG20	20	0.5
SAG40	40	1
SAG80	80	2
SAG100	100	2.5
SAG150	150	3.75
SAG200	200	5
SAG300	300	7.5
SAG400	400	10
SAG500	500	12.5
SAG600	600	15
SAG800	800	20
SAG1200	1200	30
SAG1500	1500	37.5
SAG2000	2000	50

Al (Aluminum) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
SAL10	10	0.25
SAL40	40	1
SAL120	120	3
SAL200	200	5
SAL500	500	12.5
SAL1000	1000	25
SAL2000	2000	50

Au (Gold) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
SAU2	2	0.05
SAU4	4	0.1
SAU10	10	0.25
SAU20	20	0.5
SAU30	30	0.75
SAU40	40	1
SAU50	50	1.25
SAU60	60	1.5
SAU70	70	1.75
SAU80	80	2
SAU100	100	2.5
SAU120	120	3
SAU150	150	3.75
SAU200	200	5
SAU250	250	6.25
SAU300	300	7.5

Cd (Cadmium) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
SCD80	80	2
SCD200	200	5
SCD300	300	7.5
SCD400	400	10
SCD600	600	15
SCD1000	1000	25
SCD1500	1500	37.5

Co (Cobalt) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
SCO4	4	0.1
SCO10	10	0.25
SCO20	20	0.5
SCO40	40	1
SCO80	80	2
SCO120	120	3
SCO200	200	5
SCO300	300	7.5
SCO500	500	12.5
SCO800	800	20

Cr (Chromium) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
SCR2	2	0.05
SCR4	4	0.1
SCR10	10	0.25
SCR20	20	0.5
SCR40	40	1
SCR80	80	2
SCR120	120	3
SCR200	200	5
SCR400	400	10
SCR500	500	12.5

Cu (Copper) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
SCU4	4	0.1
SCU10	10	0.25
SCU20	20	0.5
SCU40	40	1
SCU100	100	2.5
SCU200	200	5
SCU300	300	7.5
SCU400	400	10
SCU500	500	12.5
SCU700	700	18
SCU800	800	20
SCU900	900	23
SCU1100	1100	28

Fe (Iron) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
SFE4	4	0.1
SFE20	20	0.5
SFE40	40	1
SFE80	80	2
SFE120	120	3
SFE200	200	5
SFE240	240	6
SFE300	300	7.5
SFE500	500	12.5
SFE700	700	18
SFE1000	1000	25

In (Indium) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
SIN4	4	0.1
SIN10	10	0.25
SIN20	20	0.5
SIN40	40	1
SIN80	80	2
SIN200	200	5
SIN240	240	6
SIN400	400	10
SIN600	600	15
SIN1000	1000	25
SIN1600	1600	40

Ni (Nickel) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
SNI2	2	0.05
SNI4	4	0.1
SNI10	10	0.25
SNI20	20	0.5
SNI30	30	0.75
SNI40	40	1
SNI50	50	1.3
SNI60	60	1.5
SNI80	80	2
SNI100	100	2.5
SNI120	120	3
SNI150	150	3.8
SNI200	200	5
SNI250	250	6.3
SNI320	320	8
SNI400	400	10
SNI500	500	12.5
SNI600	600	15
SNI700	700	17.5
SNI800	800	20
SNI900	900	22.5
SNI1000	1000	25
SNI1200	1200	30

%Pの校正証明書付は合金箔へ

Ni-P (Electroless Nickel) foils (%P Non-Certified)*

<u>Part No.</u>	<u>μin</u>	<u>μm</u>	<u>%P</u>	<u>%Ni</u>
SNIP100-96	100	2.5	4	96
SNIP200-96	200	5	4	96
SNIP400-96	400	10	4	96
SNIP550-96	550	13.8	4	96
SNIP600-96	600	15	4	96
SNIP80-92	80	2	8	92
SNIP100-92	100	2.5	8	92
SNIP200-92	200	5	8	92
SNIP250-92	250	6.3	8	92
SNIP300-92	300	7.5	8	92
SNIP400-92	400	10	8	92
SNIP600-92	600	15	8	92
SNIP700-92	700	17.5	8	92
SNIP125-88	125	3.1	12	88
SNIP250-88	250	6.3	12	88
SNIP330-88	330	8.3	12	88
SNIP450-88	450	11.3	12	88

Pb (Lead) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
SPB4	4	0.1
SPB10	10	0.25
SPB20	20	0.5
SPB40	40	1
SPB80	80	2
SPB120	120	3
SPB160	160	4
SPB200	200	5
SPB360	360	9

Pd (Palladium) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
SPD2	2	0.05
SPD4	4	0.1
SPD10	10	0.25
SPD20	20	0.5
SPD40	40	1
SPD60	60	1.5
SPD80	80	2
SPD120	120	3
SPD200	200	5

Pt (Platinum) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
SPT2	2	0.05
SPT4	4	0.1
SPT10	10	0.25
SPT20	20	0.5
SPT40	40	1
SPT80	80	2
SPT120	120	3
SPT200	200	5

Rh (Rhodium) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
SRH2	2	0.05
SRH4	4	0.1
SRH10	10	0.25
SRH20	20	0.5
SRH40	40	1
SRH80	80	2
SRH120	120	3
SRH200	200	5

Sn (Tin) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
SSN4	4	0.1
SSN10	10	0.25
SSN20	20	0.5
SSN40	40	1
SSN80	80	2
SSN200	200	5
SSN400	400	10
SSN600	600	15
SSN800	800	20
SSN900	900	22.5
SSN1200	1200	30
SSN1600	1600	40
SSN2400	2400	60
SSN3000	3000	75

Ta (Tantalum) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
STA4	4	0.1
STA10	10	0.25
STA20	20	0.5
STA40	40	1
STA60	60	1.5
STA80	80	2

Ti (Titanium) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
STI4	4	0.1
STI10	10	0.25
STI20	20	0.5
STI40	40	1
STI80	80	2
STI120	120	3
STI200	200	5
STI400	400	10
STI600	600	15

Zn (Zinc) foils

<u>Part No.</u>	<u>μin</u>	<u>μm</u>
SZN4	4	0.1
SZN10	10	0.25
SZN20	20	0.5
SZN40	40	1
SZN120	120	3
SZN240	240	6
SZN320	320	8
SZN400	400	10
SZN600	600	15
SZN800	800	20
SZN1200	1200	30

Au-Ag (Gold-Silver) foils

Part Number	<u>μin</u>	<u>μm</u>	%Au	%Ag
SAUAG40-40	40	1	40	60
SAUAG100-40	100	2.5	40	60
SAUAG150-40	150	3.8	40	60
SAUAG240-40	240	6	40	60
SAUAG2-50	2	0.05	50	50
SAUAG4-50	4	0.1	50	50
SAUAG40-60	40	1	60	40
SAUAG150-60	150	3.8	60	40
SAUAG240-60	240	6	60	40
SAUAG40-80	40	1	80	20
SAUAG100-80	100	2.5	80	20
SAUAG150-80	150	3.8	80	20
SAUAG240-80	240	6	80	20
SAUAG2-90	2	0.05	90	10
SAUAG4-90	4	0.1	90	10

Au-Cu (Gold-Copper) foils

Part Number	<u>μin</u>	<u>μm</u>	%Au	%Cu
SAUCU40-40	40	1	40	60
SAUCU100-40	100	2.5	40	60
SAUCU150-40	150	3.8	40	60
SAUCU240-40	240	6	40	60
SAUCU40-60	40	1	60	40
SAUCU100-60	100	2.5	60	40
SAUCU150-60	150	3.8	60	40
SAUCU240-60	240	6	60	40
SAUCU40-65	40	1	65	35
SAUCU120-65	120	3	65	35
SAUCU40-80	40	1	80	20
SAUCU100-80	100	2.5	80	20
SAUCU150-80	150	3.8	80	20
SAUCU240-80	240	6	80	20

Au-Sn (Gold-Tin) foils

Part Number	<u>μin</u>	<u>μm</u>	%Au	%Sn
SAUSN80-80	80	2	80	20
SAUSN120-80	120	3	80	20
SAUSN200-80	200	5	80	20
SAUSN320-80	320	8	80	20
SAUSN400-80	400	10	80	20
SAUSN500-80	500	12.5	80	20
SAUSN800-80	800	20	80	20

Cu-Sn (Copper-Tin) foils

Part Number	<u>μin</u>	<u>μm</u>	%Cu	%Sn
SCUSN1000-95	1000	25	95	5
SCUSN2000-95	2000	50	95	5

Cu-Zn (Copper-Zinc) foils

Part Number	<u>μin</u>	<u>μm</u>	%Cu	%Zn
SCUZN100-63	100	2.5	63	37
SCUZN200-63	200	5	63	37
SCUZN500-63	500	12.5	63	37

Ni-Cr (Nickel-Chromium) foils

Part Number	<u>μin</u>	<u>μm</u>	%Ni	%Cr
SNICR4-80	4	0.01	80	20
SNICR10-80	10	0.25	80	20
SNICR20-80	20	0.5	80	20

Ni-Fe (Nickel-Iron) foils

Part Number	<u>μin</u>	<u>μm</u>	%Ni	%Fe
SNIFE60-50	60	1.5	50	50
SNIFE160-50	160	4	50	50
SNIFE40-80	40	1	80	20
SNIFE80-80	80	2	80	20
SNIFE120-80	120	3	80	20
SNIFE160-80	160	4	80	20
SNIFE240-80	240	6	80	20

%P校正証明書付

Ni-P (Electroless Nickel) foils Certified Phosphorus *

Part Number	<u>μin</u>	<u>μm</u>	%P	%Ni
SNIP100-96C	100	2.5	4	96
SNIP200-96C	200	5	4	96
SNIP400-96C	400	10	4	96
SNIP550-96C	550	13.8	4	96
SNIP600-96C	600	15	4	96
SNIP80-92C	80	2	8	92
SNIP100-92C	100	2.5	8	92
SNIP200-92C	200	5	8	92
SNIP250-92C	250	6.3	8	92
SNIP300-92C	300	7.5	8	92
SNIP400-92C	400	10	8	92
SNIP600-92C	600	15	8	92
SNIP700-92C	700	17.5	8	92
SNIP125-88C	125	3.1	12	88
SNIP250-88C	250	6.3	12	88
SNIP330-88C	330	8.3	12	88
SNIP450-88C	450	11.3	12	88

Pd-Co (Palladium-Cobalt) foils

Part Number	<u>μin</u>	<u>μm</u>	%Pd	%Co
SPDCO80-70	80	2	70	30
SPDCO130-70	130	3.3	70	30
SPDCO60-75	60	1.5	75	25
SPDCO80-75	80	2	75	25
SPDCO120-75	120	3	75	25

Pd-Ni (Palladium-Nickel) foils

Part Number	<u>μin</u>	<u>μm</u>	%Pd	%Ni
SPDNI10-80	10	0.25	80	20
SPDNI20-80	20	0.5	80	20
SPDNI30-80	30	0.8	80	20
SPDNI40-80	40	1	80	20
SPDNI80-80	80	2	80	20
SPDNI100-80	100	2.5	80	20
SPDNI200-80	200	5	80	20
SPDNI500-80	500	12.5	80	20

Sn-Ag (Tin-Silver) foils

Part Number	<u>μin</u>	<u>μm</u>	%Sn	%Ag
SSNAG80-95	80	2	95	5
SSNAG100-95	100	2.5	95	5
SSNAG200-95	200	5	95	5
SSNAG520-95	520	13	95	5
SSNAG100-97	100	2.5	97	3
SSNAG200-97	200	5	97	3
SSNAG400-97	400	10	97	3
SSNAG800-97	800	20	97	3

Sn-Ag -Cu (SAC) foils

Part Number	<u>μin</u>	<u>μm</u>	%Sn	%Ag	%Cu
SSNAGCU200-95	200	5	95	4	1
SSNAGCU600-95	600	15	95	4	1

Sn-Bi (Tin-Bismuth) foils

Part Number	<u>μin</u>	<u>μm</u>	%Sn	%Bi
SSNBI160-40	160	4	40	60
SSNBI520-40	520	13	40	60
SSNBI200-60	200	5	60	40
SSNBI500-60	500	12.5	60	40
SSNBI70-90	70	1.8	90	10
SSNBI100-90	100	2.5	90	10
SSNBI200-90	200	5	90	10
SSNBI520-90	520	13	90	10
SSNBI100-97	100	2.5	97	3
SSNBI200-97	200	5	97	3
SSNBI500-97	500	12.5	97	3
SSNBI800-97	800	20	97	3

Sn-Cu (Tin-Copper) foils

Part Number	<u>μin</u>	<u>μm</u>	%Sn	%Cu
SSNCU200-95	200	5	95	5
SSNCU400-95	400	10	95	5
SSNCU800-95*	800	20	95	5
SSNCU200-99	200	5	99	1
SSNCU400-99	400	10	99	1

Sn-Pb (Tin-Lead) foils

Part Number	<u>μin</u>	<u>μm</u>	%Sn	%Pb
SSNPB40-60	40	1	60	40
SSNPB80-60	80	2	60	40
SSNPB150-60	150	3.8	60	40
SSNPB200-60	200	5	60	40
SSNPB250-60	250	6.3	60	40
SSNPB350-60	350	8.8	60	40
SSNPB400-60	400	10	60	40
SSNPB600-60	600	15	60	40
SSNPB1000-60	1000	25	60	40
SSNPB1500-60	1500	38	60	40
SSNPB100-80	100	2.5	80	20
SSNPB200-80	200	5	80	20
SSNPB250-80	250	6.3	80	20
SSNPB500-80	500	12.5	80	20
SSNPB700-80	700	17.5	80	20
SSNPB60-90	60	1.5	90	10
SSNPB100-90	100	2.5	90	10
SSNPB200-90	200	5	90	10
SSNPB250-90	250	6.3	90	10
SSNPB350-90	350	8.8	90	10
SSNPB450-90	450	11.3	90	10
SSNPB550-90	550	13.8	90	10
SSNPB700-90	700	17.5	90	10
SSNPB100-97	100	2.5	97	3
SSNPB200-97	200	5	97	3
SSNPB400-97	400	10	97	3
SSNPB500-97	500	12.5	97	3
SSNPB800-97	800	20	97	3
SSNPB100-99	100	2.5	99	1
SSNPB200-99	200	5	99	1
SSNPB400-99	400	10	99	1
SSNPB500-99	500	12.5	99	1

Sn-Zn (Tin-Zinc) foils

Part Number	<u>μin</u>	<u>μm</u>	%Sn	%Zn
SSNZN650-20	650	16.5	20	80
SSNZN480-30	480	12	30	70
SSNZN320-40	320	8	40	60
SSNZN200-70	200	5	70	30
SSNZN400-70	400	10	70	30
SSNZN400-92	400	10	92	8

Zn-Al (Zinc-Aluminum) foils

Part Number	<u>μin</u>	<u>μm</u>	%Zn	%Al
SZNAL200-95	200	5	95	5
SZNAL480-95	480	12	95	5
SZNAL720-95	720	18	95	5

Ag/Ni (Silver/Nickel)) 2 layer foils

Part No.	Ag		Ni	
	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>
SAG45NI90	45	1.1	90	2.3
SAG45NI200	45	1.1	200	5
SAG45NI400	45	1.1	400	10
SAG160NI200	160	4	200	5
SAG160NI400	160	4	400	10

Au/Ni (Gold/Nickel) 2 layer foils

Part No.	Au		Ni	
	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>
SAU2NII100	2	0.05	100	2.5
SAU4NI60	4	0.1	60	1.5
SAU4NII100	4	0.1	100	2.5
SAU4NII60	4	0.1	160	4
SAU4NI240	4	0.1	240	6
SAU10NI60	10	0.25	60	1.5
SAU10NI300	10	0.25	300	7.5
SAU10NI350	10	0.25	350	8.8
SAU20NI30	20	0.5	30	0.8
SAU20NI80	20	0.5	80	2
SAU30NI30	30	0.8	30	0.8
SAU30N60	30	0.8	60	1.5
SAU40NI100	40	1	100	2.5
SAU40NI230	40	1	230	5.8
SAU40NI400	40	1	400	10
SAU60NI120	60	1.5	120	3
SAU80NI120	80	2	120	3
SAU80NI300	80	2	300	7.5
SAU90NI180	90	2.3	180	4.5
SAU1000NI200	100	2.5	200	5

Au/Ni-P (Gold/Electroless Nickel)) 2 layer foils

Part No.	Au		NiP P8%	
	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>
SAU2NIP120-92	2	0.05	120	3
SAU4NIP240-92	4	0.1	240	6
SAU20NIP80-92	20	0.5	80	2
SAU30NIP30-92	30	0.8	30	0.8
SAU30NIP60-92	30	0.8	60	1.5
SAU40NIP200-92	40	1	200	5
SAU40NIP999-92	40	1	∞	∞
SAU80NIP999-92	80	2	∞	∞

Au/Pd (Gold/Palladium)) 2 layer foils

Part No.	Au		Pd	
	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>
SAU10PD40	10	0.25	40	1
SAU10PD100	10	0.25	100	2.5
SAU30PD40	30	0.8	40	1
SAU30PD100	30	0.8	100	2.5
SAU30PD150	30	0.8	150	3.8

Au/Ag (Gold/Silver)) 2 layer foils

<u>Part No.</u>	Au		Ag	
	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>
SAU30AG100	30	0.8	100	2.5
SAU30AG400	30	0.8	400	10
SAU100AG100	100	2.5	100	2.5
SAU100AG130	100	2.5	130	3.3
SAU100AG425	100	2.5	425	10.6

Ni/Cu (Nickel/Copper)) 2 layer foils

<u>Part No.</u>	Ni		Cu	
	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>
SNI200CU200	200	5	200	5
SNI200CU500	200	5	500	12.5
SNI300CU300	300	7.5	300	7.5
SNI500CU200	500	12.5	200	5

Rh/Ni (Rhodium/Nickel)) 2 layer foils

<u>Part No.</u>	Rh		Ni	
	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>
SRH5NI125	5	0.13	125	3.1
SRH7NI200	7	0.2	200	5
SRH10NI100	10	0.25	100	2.5
SRH10NI240	10	0.25	240	6
SRH10NI400	10	0.25	400	10
SRH15NI100	15	0.38	100	2.5
SRH15NI200	15	0.38	200	5
SRH15NI400	15	0.38	400	10
SRH20NI300	20	0.5	300	7.5

Sn/Ni (Tin/Nickel)) 2 layer foils

<u>Part No.</u>	Sn		Ni	
	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>
SSN50NI150	50	1.3	150	3.8
SSN50NI400	50	1.3	400	10
SSN180NI150	180	4.5	150	3.8
SSN180NI400	180	4.5	400	10

Au/Pd/Ni (Gold/Palladium /Nickel)) 3 layer foils

<u>Part No</u>	Au		Pd		Ni	
	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>
12517-F1	0.14	0.004	0.25	0.006	30	0.75
12517-F2	0.4	0.01	1	0.025	80	2
12517-F3	1	0.025	5	0.13	200	5

Au/Pd/Ni-P (Gold/Palladium /Electroless Nickel) “ENIPIG” 3 layer foils

<u>Part No</u>	Au		Pd		NiP P8%	
	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>
S12530-1	2	0.05	4	0.1	150	3.75

Au-Ag/Pd/Ni (Gold-Silver alloy/Palladium/Nickel) 3 layer foils

<u>Part No</u>	AuAg Au50%		Pd		Ni	
	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>
12521-F1	0.5	0.013	0.6	0.015	40	1
12521-F2	1.2	0.03	1.5	0.038	100	2.5
12521-F3	2.5	0.06	2.4	0.06	160	4

Au/Ag/Pd/Ni

<u>Part No</u>	Au		Ag		Pd/Ni	
	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>
S12910-1	0.2	0.005	0.4	0.01	0.4/20	0.01/0.5
S12910-2	0.4	0.01	4	0.1	3/80	0.07/2
S12910-3	0.8	0.02	20	0.5	8/160	0.2/4

Cr/Ni/Cu (Chromium/Nickel/Copper) 3 layer foils

<u>Part No</u>	Cr		Ni		Cu	
	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>	<u>μin</u>	<u>μm</u>
S13100-1	10	0.25	200	5	200	5
S13100-2	10	0.25	200	5	500	12.5
S13100-3	20	0.5	200	5	500	12.5
S13100-4	10	0.25	200	5	700	17.8
S13100-5	10	0.25	400	10	700	17.8

Infinite (∞) Element Standards

<u>Part Number</u>	<u>Element</u>
SAG999	Ag (Silver)
SAL999	Al (Aluminum)
SAU999	Au (Gold)
SBI999	Bi (Bismuth)
SCD999	Cd (Cadmium)
SCO999	Co (Cobalt)
SCR999	Cr (Chromium)
SCU999	Cu (Copper)
SFE999	Fe (Iron or carbon steel)
SIN999	In (Indium)
SIR999	Ir (Iridium)
SMG999	Mg (Magnesium)
SMN999	Mn (Manganese)
SMO999	Mo (Molybdenum)
SNB999	Nb (Niobium)
SNI999	Ni (Nickel)
SPB999	Pb (Lead)
SPD999	Pd (Palladium)
SPT999	Pt (Platinum)
SRH999	Rh (Rhodium)
SRU999	Ru (Ruthenium)
SSB999	Sb (Antimony)
SSI999	Si (Silicon)
SSN999	Sn (Tin)
STA999	Ta (Tantalum)
STI999	Ti (Titanium)
SV999	V (Vanadium)
SW999	W (Tungsten)
SZN999	Zn (Zinc)
SZR999	Zr (Zirconium)

Infinite (∞) Compound Standards

<u>Part Number</u>	<u>Element</u>
SALOX999	Al ₂ O ₃ (aluminum Oxide)
SCUFR4999-0.5	Cu/Epoxy – ½ oz
SCUFR4999-1.0	Cu/Epoxy – 1 oz
SFR4999	FR-4 (Epoxy)
SNIP999-96	Ni-P (Electroless Nickel -4% *)
SNIP999-92	Ni-P (Electroless Nickel -8% *)
SNIP999-88	Ni-P (Electroless Nickel -12% *)
* – % P not certified	

Copper Alloy Bases

<u>Part Number</u>	<u>Element</u>
SC7025999	C7025 (Corson Copper)
SCA194999	CA194 (Cu-Fe2)
SCA230999	CA230 (Red Brass, (Cu-Zn)
SCDA260999	CDA260 (Brass, Cu-Zn)
SCDA353999	CDA353 (Leaded Brass, Cu-Zn-Pb)
SCDA510999	CDA510 (Phosphor Bronze, Cu-Sn-P)5%Sn
SCDA521999	CDA521 (Phosphor Bronze, Cu-Sn-P)8%Sn

Ag/Al (Silver/Aluminum)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SAG200AL999	200	5
SAG400AL999	400	10
SAG800AL999	800	20
SAG1000AL999	1000	25

Ag/Cu (Silver/Copper)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SAG4CU999	4	0.1
SAG10CU999	10	0.25
SAG30CU999	30	0.75
SAG60CU999	60	1.5
SAG100CU999	100	2.5
SAG120CU999	120	3
SAG150CU999	150	3.75
SAG350CU999	350	8.75
SAG500CU999	500	12.5
SAG600CU999	600	15
SAG800CU999	800	20
SAG1000CU999	1000	25
SAG1200CU999	1200	30
SAG2000CU999	2000	50

Ag/Kovar (Silver/Kovar)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SAG60KVR999	60	1.5
SAG150KVR999	150	3.75
SAG350KVR999	350	8.75
SAG450KVR999	450	11.25
SAG650KVR999	650	16.25
SAG800KVR999	800	20
SAG1000KVR999	1000	25
SAG2000KVR999	2000	50

Ag/Ni (Silver/Nickel)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SAG40NI999	40	1
SAG160NI999	160	4

Au/Ag (Gold/Silver)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SAU10AG999	10	0.25
SAU20AG999	20	0.5
SAU60AG999	60	1.5
SAU200AG999	200	5

Au/Al (Gold/Aluminum)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SAU10AL999	10	0.25
SAU20AL999	20	0.5
SAU80AL999	80	2
SAU200AL999	200	5

Au/Kovar (Gold/Kovar)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SAU10KVR999	10	0.25
SAU20KVR999	20	0.5
SAU50KVR999	50	1.25
SAU90KVR999	90	2.25
SAU200KVR999	200	5
SAU300KVR999	300	7.5

Au/Ni (Gold/Nickel)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SAU4NI999	4	0.1
SAU10NI999	10	0.25
SAU20NI999	20	0.5
SAU30NI999	30	0.75
SAU40NI999	40	1
SAU50NI999	50	1.25
SAU60NI999	60	1.5
SAU90NI999	90	2.25
SAU100NI999	100	2.5
SAU120NI999	120	3
SAU200NI999	200	5
SAU300NI999	300	7.5

Bi/Cu (Bismuth/Copper)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SBI20CU999	20	0.5
SBI50CU999	50	1.25
SBI100CU999	100	2.5
SBI150CU999	150	3.75
SBI200CU999	200	5
SBI250CU999	250	6.25
SBI300CU999	300	7.5
SBI400CU999	400	10

Cd/Al (Cadmium/Aluminum)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SCD250AL999	250	6.25
SCD350AL999	350	8.75
SCD900AL999	900	22.5
SCD1200AL999	1200	30

Cd/Cu (Cadmium/Copper)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SCD40CU999	40	1
SCD100CU999	100	2.5
SCD200CU999	200	5
SCD300CU999	300	7.5
SCD600CU999	600	15
SCD800CU999	800	20
SCD1000CU999	1000	25

Cd/Fe (Cadmium/Iron or Steel)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SCD50FE999	50	1.25
SCD150FE999	150	3.75
SCD250FE999	250	6.25
SCD400FE999	400	10
SCD500FE999	500	12.5
SCD800FE999	800	20
SCD1000FE999	1000	25
SCD1500FE999	1500	37.5
SCD2000FE999	2000	50

Cr/Cu (Cromium/Copper)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SCR60CU999	60	1.5
SCR80CU999	80	2
SCR200CU999	200	5
SCR400CU999	400	10
SCR600CU999	600	15
SCR1000CU999	1000	25

Cr/Fe (Chromium/Iron or Steel)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SCR80FE999	80	2
SCR150FE999	150	3.75
SCR240FE999	240	6
SCR300FE999	300	7.5
SCR400FE999	400	10
SCR500FE999	500	12.5
SCR600FE999	600	15
SCR800FE999	800	20

Cu/Al (Copper/Aluminum)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SCU50AL999	50	1.25
SCU100AL999	100	2.5
SCU170AL999	170	4.25
SCU400AL999	400	10
SCU1000AL999	1000	25

Cu/Epoxy (Copper/Epoxy)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SCU60EPOXY999	60	1.5
SCU100EPOXY999	100	2.5
SCU150EPOXY999	150	3.75
SCU250EPOXY999	250	6.25
SCU350EPOXY999	350	8.75
SCU500EPOXY999	500	13
SCU650EPOXY999	650	16.25
SCU1000EPOXY999	1000	25

Cu/Fe (Copper/Iron or Steel)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SCU30FE999	30	0.75
SCU80FE999	80	2
SCU100FE999	100	2.5
SCU200FE999	200	5
SCU400FE999	400	10
SCU600FE999	600	15
SCU800FE999	800	20
SCU1000FE999	1000	25

Cu/Kovar (Copper/Kovar)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SCU100KVR999	100	2.5
SCU350KVR999	350	8.75

Ni/Al (Nickel/Aluminum)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SNI20AL999	20	0.5
SNI60AL999	60	1.5
SNI100AL999	100	2.5
SNI150AL999	150	3.75
SNI250AL999	250	6.25
SNI750AL999	750	18.75
SNI900AL999	900	22.5

Ni/Cu (Nickel/Copper)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SNI10CU999	10	0.25
SNI20CU999	20	0.5
SNI40CU999	40	1
SNI50CU999	50	1.25
SNI60CU999	60	1.5
SNI80CU999	80	2
SNI100CU999	100	2.5
SNI120CU999	120	3
SNI200CU999	200	5
SNI300CU999	300	7.5
SNI400CU999	400	10
SNI600CU99	600	15
SNI800CU999	800	20

Ni/Fe (Nickel/Iron or Steel)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SNI70FE999	70	1.75
SNI100FE999	100	2.5
SNI150FE999	150	3.75
SNI200FE999	200	5
SNI400FE999	400	10
SNI700FE99	700	17.5
SNI900FE999	900	22.5
SNI1000FE999	1000	25

Ni/Kovar (Nickel/Kovar)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SNI25KVR999	25	0.625
SNI50KVR999	50	1.25
SNI100KVR999	100	2.5
SNI200KVR999	200	5
SNI400KVR999	400	10
SNI700KVR999	700	17.5

%P校正証明書付は合金メッキ品へ

Ni-P/Al (Electroless Nickel/Aluminum) Non-Certified Phosphorus*

<u>Part Number</u>	<u>μin</u>	<u>μm</u>	<u>%P</u>	<u>%Ni</u>
SNIP70-94AL999	70	1.8	6	94
SNIP140-94AL999	140	3.5	6	94
SNIP125-92AL999	125	3.1	8	92
SNIP150-92AL999	150	3.8	8	92
SNIP175-92AL999	175	4.4	8	92
SNIP200-92AL999	200	5	8	92
SNIP250-92AL999	250	6.3	8	92
SNIP375-92AL999	375	9.4	8	92
SNIP450-92AL999	450	11.3	8	92
SNIP500-92AL999	500	12.5	8	92
SNIP650-92AL999	650	16.3	8	92
SNIP750-92AL999	750	18.8	8	92
SNIP120-90AL999	120	3	10	90
SNIP200-90AL999	200	5	10	90
SNIP250-90AL999	250	6.3	10	90
SNIP400-90AL999	400	10	10	90
SNIP575-90AL999	575	14.4	10	90

%P校正証明書付は合金メッキ品へ

Ni-P/Cu (Electroless Nickel/Copper) Non-Certified Phosphorus*

<u>Part Number</u>	<u>μin</u>	<u>μm</u>	<u>%P</u>	<u>%Ni</u>
SNIP150-92CU999	150	3.8	8	92
SNIP300-92CU999	300	7.5	8	92
SNIP400-92CU999	400	10	8	92
SNIP500-92CU999	500	12.5	8	92
SNIP700-92CU999	700	17.5	8	92
SNIP1000-92CU999	1000	25	8	92
SNIP60-90CU999	60	1.5	10	90
SNIP80-90CU999	80	2	10	90
SNIP100-90CU999	100	2.5	10	90
SNIP140-90CU999	140	3.5	10	90

SNIP130-88CU999	130	3.3	12	88
SNIP230-88CU999	230	5.8	12	88
SNIP350-88CU999	350	8.8	12	88
SNIP450-88CU999	450	11.3	12	88
SNIP1200-88CU999	1200	30	12	88

%P校正証明書付は合金メッキ品へ

Ni-P/Fe (Electroless Nickel/Iron or Steel) Non-Certified Phosphorus*

<u>Part Number</u>	<u>μin</u>	<u>μm</u>	<u>%P</u>	<u>%Ni</u>
SNIP80-96FE999	80	2	4	96
SNIP125-96FE999	125	3.1	4	96
SNIP150-96FE999	150	3.8	4	96
SNIP200-96FE999	200	5	4	96
SNIP240-96FE999	240	6	4	96
SNIP350-96FE999	350	8.8	4	96
SNIP450-96FE999	450	11.3	4	96
SNIP550-96FE999	550	13.8	4	96
SNIP80-94FE999	80	2	6	94
SNIP100-94FE999	100	2.5	6	94
SNIP120-94FE999	120	3	6	94
SNIP150-94FE999	150	3.8	6	94
SNIP220-94FE999	220	5.5	6	94
SNIP360-94FE999	360	9	6	94
SNIP400-94FE999	400	10	6	94
SNIP500-94FE999	500	12.5	6	94
SNIP600-94FE999	600	15	6	94
SNIP750-94FE999	750	18.8	6	94
SNIP100-92FE999	100	2.5	8	92
SNIP150-92FE999	150	3.8	8	92
SNIP200-92FE999	200	5	8	92
SNIP250-92FE999	250	6.3	8	92
SNIP300-92FE999	300	7.5	8	92
SNIP350-92FE999	350	8.8	8	92
SNIP400-92FE999	400	10	8	92
SNIP450-92FE999	450	11.3	8	92
SNIP500-92FE999	500	12.5	8	92
SNIP600-92FE999	600	16	8	92
SNIP800-92FE999	800	20	8	92
SNIP100-90FE999	100	2.5	10	90
SNIP120-90FE999	120	3	10	90
SNIP160-90FE999	160	4	10	90
SNIP200-90FE999	200	5	10	90
SNIP250-90FE999	250	6.3	10	90
SNIP350-90FE999	350	8.8	10	90
SNIP400-90FE999	400	10	10	90
SNIP450-90FE999	450	11.3	10	90
SNIP500-90FE999	500	12.5	10	90
SNIP700-90FE999	700	17.5	10	90
SNIP800-90FE999	800	20	10	90

Pd/Cu (Palladium/Copper)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SPD4CU999	4	0.1
SPD10CU999	10	0.25
SPD20CU999	20	0.5
SPD40CU999	40	1
SPD60CU999	60	1.5

Pd/Ni (Palladium/Nickel)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SPD20NI999	20	0.5
SPD40NI999	40	1
SPD80NI999	80	2
SPD120NI999	120	3
SPD200NI999	200	5

Rh/Ni (Rhodium/Nickel)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SRH20NI999	20	0.5
SRH40NI999	40	1
SRH80NI999	80	2
SRH100NI999	100	2.5

Sn/Al (Tin/Aluminum)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SSN2AL999	2	0.05
SSN4AL999	4	0.1
SSN10AL999	10	0.25
SSN20AL999	20	0.5
SSN40AL999	40	1
SSN80AL999	80	2
SSN120AL999	120	3
SSN200AL999	200	5
SSN450AL999	450	11.25
SSN600AL999	600	15
SSN800AL999	800	20

Sn/Cu (Tin/Copper)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SSN4CU999	4	0.1
SSN10CU999	10	0.25
SSN20CU999	20	0.5
SSN40CU999	40	1
SSN80CU999	80	2
SSN150CU999	150	3.75
SSN200CU999	200	5
SSN300CU999	300	7.5
SSN400CU999	400	10
SSN500CU999	500	12.5
SSN600CU999	600	15
SSN800CU999	800	20
SSN1000CU999	1000	25
SSN1200CU999	1200	30
SSN2000CU999	2000	50

Sn/Fe (Tin/Iron or Steel)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SSN40FE999	40	1
SSN200FE999	200	5
SSN450FE999	450	11.25
SSN650FE999	650	16.25
SSN800FE999	800	20
SSN1400FE999	1400	35
SSN1800FE999	1800	45

Sn/Kovar (Tin/Kovar)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SSN30KVR999	30	0.75
SSN60KVR999	60	1.5
SSN100KVR999	100	2.5
SSN120KVR999	120	3
SSN200KVR999	200	5
SSN600KVR999	600	15
SSN1000KVR999	1000	25
SSN1800KVR999	1800	45

Zn/Fe (Zinc/Iron or Steel)

<u>Part Number</u>	<u>μin</u>	<u>μm</u>
SZN100FE999	100	2.5
SZN200FE999	200	5
SZN320FE999	320	8
SZN400FE999	400	10
SZN500FE999	500	12.5
SZN600FE999	600	15
SZN800FE999	800	20
SZN1000FE999	1000	25
SZN1200FE999	1200	30

%P校正証明書付

Ni-P/Al (Electroless Nickel/Aluminum) Certified Phosphorous *

Part Number	<u>μin</u>	<u>μm</u>	%P	%Ni
SNIP70-94AL999C	70	1.8	6	94
SNIP140-94AL999C	140	3.5	6	94
SNIP125-92AL999C	125	3.1	8	92
SNIP150-92AL999C	150	3.8	8	92
SNIP175-92AL999C	175	4.4	8	92
SNIP200-92AL999C	200	5	8	92
SNIP250-92AL999C	250	6.3	8	92
SNIP375-92AL999C	375	9.4	8	92
SNIP450-92AL999C	450	11.3	8	92
SNIP500-92AL999C	500	12.5	8	92
SNIP650-92AL999C	650	16.3	8	92
SNIP750-92AL999C	750	18.8	8	92
SNIP120-90AL999C	120	3	10	90
SNIP200-90AL999C	200	5	10	90
SNIP250-90AL999C	250	6.3	10	90
SNIP400-90AL999C	400	10	10	90
SNIP575-90AL999C	575	14.4	10	90

%P校正証明書付

Ni-P/Cu (Electroless Nickel/Copper) Certified Phosphorous *

Part Number	<u>μin</u>	<u>μm</u>	%P	%Ni
SNIP150-92CU999C	150	3.8	8	92
SNIP300-92CU999C	300	7.5	8	92
SNIP400-92CU999C	400	10	8	92
SNIP500-92CU999C	500	12.5	8	92
SNIP700-92CU999C	700	17.5	8	92
SNIP1000-92CU999C	1000	25	8	92
SNIP60-90CU999C	60	1.5	10	90
SNIP80-90CU999C	80	2	10	90
SNIP100-90CU999C	100	2.5	10	90
SNIP140-90CU999C	140	3.5	10	90
SNIP130-88CU999C	130	3.3	12	88
SNIP230-88CU999C	230	5.8	12	88
SNIP350-88CU999C	350	8.8	12	88
SNIP450-88CU999C	450	11.3	12	88
SNIP1200-88CU999C	1200	30	12	88

%P校正証明書付**Ni-P/Fe (Electroless Nickel/Iron or Steel) Certified Phosphorous***

Part Number	<u>μin</u>	<u>μm</u>	%P	%Ni
SNIP80-96FE999C	80	2	4	96
SNIP125-96FE999C	125	3.1	4	96
SNIP150-96FE999C	150	3.8	4	96
SNIP200-96FE999C	200	5	4	96
SNIP240-96FE999C	240	6	4	96
SNIP350-96FE999C	350	8.8	4	96
SNIP450-96FE999C	450	11.3	4	96
SNIP550-96FE999C	550	13.8	4	96
SNIP80-94FE999C	80	2	6	94
SNIP100-94FE999C	100	2.5	6	94
SNIP120-94FE999C	120	3	6	94
SNIP150-94FE999C	150	3.8	6	94
SNIP220-94FE999C	220	5.5	6	94
SNIP360-94FE999C	360	9	6	94
SNIP400-94FE999C	400	10	6	94
SNIP500-94FE999C	500	12.5	6	94
SNIP600-94FE999C	600	15	6	94
SNIP750-94FE999C	750	18.8	6	94
SNIP100-92FE999C	100	2.5	8	92
SNIP150-92FE999C	150	3.8	8	92
SNIP200-92FE999C	200	5	8	92
SNIP250-92FE999C	250	6.3	8	92
SNIP300-92FE999C	300	7.5	8	92
SNIP350-92FE999C	350	8.8	8	92
SNIP400-92FE999C	400	10	8	92
SNIP450-92FE999C	450	11.3	8	92
SNIP500-92FE999C	500	12.5	8	92
SNIP600-92FE999C	600	16	8	92
SNIP800-92FE999C	800	20	8	92
SNIP100-90FE999C	100	2.5	10	90
SNIP120-90FE999C	120	3	10	90
SNIP160-90FE999C	160	4	10	90
SNIP200-90FE999C	200	5	10	90
SNIP250-90FE999C	250	6.3	10	90
SNIP350-90FE999C	350	8.8	10	90
SNIP400-90FE999C	400	10	10	90
SNIP450-90FE999C	450	11.3	10	90
SNIP500-90FE999C	500	12.5	10	90
SNIP700-90FE999C	700	17.5	10	90
SNIP800-90FE999C	800	20	10	90

Pd-Ni/Cu (Palladium-Nickel/Copper)

Part Number	<u>μin</u>	<u>μm</u>	%Pd	%Ni
SPNNI40-80CU999	40	1	80	20
SPNNI60-80CU999	60	1.5	80	20
SPNNI80-80CU999	80	2	80	20
SPNNI100-80CU999	100	2.5	80	20
SPNNI120-80CU999	120	3	80	20
SPNNI200-80CU999	200	5	80	20
SPNNI275-80CU99	275	6.9	80	20
SPNNI350-80CU999	350	8.8	80	20
SPNNI450-80CU999	450	11.3	80	20

Sn-Ni/Cu (Tin-Nickel/Copper)

Part Number	<u>μin</u>	<u>μm</u>	%Sn	%Ni
SSNNI375-62CU999	375	9.4	62	38
SSNNI520-62CU999	520	13	62	38
SSNNI100-65CU999	100	2.5	65	35
SSNNI240-65CU999	240	6	65	35
SSNNI200-70CU999	200	5	70	30
SSNNI300-70CU999	300	7.5	70	30
SSNNI450-70CU999	450	11.3	70	30
SSNNI800-70CU999	800	20	70	30

Sn-Pb/Cu (Tin-Lead/Copper)

Part Number	<u>μin</u>	<u>μm</u>	%Sn	%Pb
SSNPB40-60CU999	40	1	60	40
SSNPB80-60CU999	80	2	60	40
SSNPB100-60CU999	100	2.5	60	40
SSNPB120-60CU999	120	3	60	40
SSNPB150-60CU999	150	3.8	60	40
SSNPB200-60CU999	200	4	60	40
SSNPB300-60CU999	300	7.5	60	40
SSNPB350-60CU999	350	8.8	60	40
SSNPB400-60CU999	400	10	60	40
SSNPB500-60CU999	500	12.5	60	40
SSNPB600-60CU999	600	15	60	40
SSNPB800-60CU999	800	20	60	40
SSNPB900-60CU999	900	22.5	60	40
SSNPB1000-60CU999	1000	25	60	40
SSNPB40-90CU999	40	1	90	10
SSNPB60-90CU999	60	1.5	90	10
SSNPB80-90CU999	80	2	90	10
SSNPB100-90CU999	100	2.5	90	10
SSNPB150-90CU999	150	3.8	90	10
SSNPB200-90CU999	200	5	90	10
SSNPB250-90CU999	250	6.3	90	10
SSNPB300-90CU999	300	7.5	90	10
SSNPB350-90CU999	350	8.8	90	10
SSNPB400-90CU999	400	10	90	10
SSNPB450-90CU999	450	11.3	90	10
SSNPB600-90CU999	600	15	90	10
SSNPB700-90CU999	700	17.5	90	10
SSNPB800-90CU999	800	20	90	10
SSNPB1000-90CU999	1000	25	90	10

Zn-Ni/Fe (Zinc-Nickel/Iron or Steel)

Part Number	<u>μin</u>	<u>μm</u>	%Zn	%Ni
SZNNI100-85FE999	100	2.5	85	15
SZNNI200-85FE999	200	5	85	15
SZNNI400-85FE999	400	10	85	15
SZNNI500-85FE999	500	12.5	85	15
SZNNI600-85FE999	600	15	85	15
SZNNI800-85FE999	800	20	85	15



Locating holes of foil standard placed over locating pins of base standard mount

Foil standard aligned over base metal below

