TAIWAN SEMICONDUCTOR CO.,LTD.

MATERIALS COMPOSITION DECLARATION

Item	Material Name	Tradedname	Substance Name	CAS No.	Raw Material Proportion	Proportion	ID	Exemption
1	DICE	GPP DICE	Si	7440-21-3	90.00%	0.366%	RD-01	EX:7(C)-I
			Au	7440-57-5	0.15%			
			Ni	7440-02-0	0.65%			
			Glass	65997-18-4	9.20%			
2	SOLDER WAFER	SOLDER WAFER	Pb	7439-92-1	92.50%	0.840%	RS-03	EX:7a
			Sn	7440-31-5	5%			
			Ag	7440-22-4	2.50%			
3	LEAD WIRE	Copper	Cu	7440-50-8	99.95%	75.804%	RL-02	
			Other	-	0.05%			
4	EPOXY	HF MOLDING COMPOUND	Crystalline SiO2	14808-60-7	70%	20.890%	RM-04	
			Fused SiO2	60676-86-0	10%			
			Epoxy Resin	37382-79-9	10%			
			Phenolic Resin	9003-35-4	6.5%			
			Aluminium hydroxide (Al(OH)3)	21645-51-2	1.5%			
			P compounds	99208-50-1	1.5%			
			Carbon Black	1333-86-4	0.5%			
5	PLATING LAYER	Tin	Sn	7440-31-5	100%	2.050%	RP-01	
6	MARKING INK	INK	2-Propenoic acid, polymer with 2-ethylhexyl 2-propenoate	53192-18-0	65%	0.05%	PI-01	
			Aluminum	7429-90-5	15%			
			Silicon dioxide	112945-52-5	5%			
			1-Hydroxycyclohexyl phenyl ketone	947-19-3	5%			
			Padimate	21245-01-2	10%			

Notes:
符合RoHS排外條款 It's apply to the exemption term
7(C)-I. 電子電氣元件中玻璃或陶瓷中的鉛(例如壓電電子裝置), 或玻璃或陶瓷複合材料中的鉛 .

7(C)-I.Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.
7a. 高熔點焊料中的鉛(例如, 含鉛重量為85%或以上的鉛基合金焊料)
7(a). Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead)

Part Tree

Part Number	Family	Process	Package	Part Weight Amount	Part Weight Unit	Part Weight per Length/Area/Volume Unit
FR151G	Fast	GPP	DO-15	0.4	g	each
FR152G	Fast	GPP	DO-15	0.4	g	each
FR153G	Fast	GPP	DO-15	0.4	g	each
FR154G	Fast	GPP	DO-15	0.4	g	each
FR155G	Fast	GPP	DO-15	0.4	g	each
FR156G	Fast	GPP	DO-15	0.4	g	each
FR157G	Fast	GPP	DO-15	0.4	g	each
FR201G	Fast	GPP	DO-15	0.4	g	each
FR202G	Fast	GPP	DO-15	0.4	g	each
FR203G	Fast	GPP	DO-15	0.4	g	each
FR204G	Fast	GPP	DO-15	0.4	g	each
FR205G	Fast	GPP	DO-15	0.4	g	each
FR206G	Fast	GPP	DO-15	0.4	g	each
FR207G	Fast	GPP	DO-15	0.4	g	each
HER151G	High Efficient	GPP	DO-15	0.4	g	each
HER152G	High Efficient	GPP	DO-15	0.4	g	each
HER153G	High Efficient	GPP	DO-15	0.4	g	each
HER154G	High Efficient	GPP	DO-15	0.4	g	each
HER155G	High Efficient	GPP	DO-15	0.4	g	each
HER156G	High Efficient	GPP	DO-15	0.4	g	each
HER157G	High Efficient	GPP	DO-15	0.4	g	each

HER158G	High Efficient	GPP	DO-15	0.4	g	each
HER201G	High Efficient	GPP	DO-15	0.4	g	each
HER202G	High Efficient	GPP	DO-15	0.4	g	each
HER203G	High Efficient	GPP	DO-15	0.4	g	each
HER204G	High Efficient	GPP	DO-15	0.4	g	each
HER205G	High Efficient	GPP	DO-15	0.4	g	each
HER206G	High Efficient	GPP	DO-15	0.4	g	each
HER207G	High Efficient	GPP	DO-15	0.4	g	each
HER208G	High Efficient	GPP	DO-15	0.4	g	each
MUR160	High Efficient	GPP	DO-15	0.4	g	each
MUR190	High Efficient	GPP	DO-15	0.4	g	each
2A01G	Standard	GPP	DO-15	0.4	g	each
2A02G	Standard	GPP	DO-15	0.4	g	each
2A03G	Standard	GPP	DO-15	0.4	g	each
2A04G	Standard	GPP	DO-15	0.4	g	each
2A05G	Standard	GPP	DO-15	0.4	g	each
2A06G	Standard	GPP	DO-15	0.4	g	each
2A07G	Standard	GPP	DO-15	0.4	g	each
SF21G	Super Fast	GPP	DO-15	0.4	g	each
SF22G	Super Fast	GPP	DO-15	0.4	g	each
SF23G	Super Fast	GPP	DO-15	0.4	g	each
SF24G	Super Fast	GPP	DO-15	0.4	g	each
SF25G	Super Fast	GPP	DO-15	0.4	g	each
SF26G	Super Fast	GPP	DO-15	0.4	g	each
SF27G	Super Fast	GPP	DO-15	0.4	g	each
SF28G	Super Fast	GPP	DO-15	0.4	g	each
BZW06-13	TVS	GPP	DO-15	0.4	g	each
BZW06-13B	TVS	GPP	DO-15	0.4	g	each
BZW06-15	TVS	GPP	DO-15	0.4	g	each
BZW06-15B	TVS	GPP	DO-15	0.4	g	each
BZW06-19	TVS	GPP	DO-15	0.4	g	each
BZW06-19B	TVS	GPP	DO-15	0.4	g	each
BZW06-20	TVS	GPP	DO-15	0.4	g	each
BZW06-20B	TVS	GPP	DO-15	0.4	g	each
BZW06-23	TVS	GPP	DO-15	0.4	g	each
BZW06-23B	TVS	GPP	DO-15	0.4	g	each
BZW06-26	TVS	GPP	DO-15	0.4	g	each
BZW06-26B	TVS	GPP	DO-15	0.4	g	each
BZW06-28	TVS	GPP	DO-15	0.4	g	each
BZW06-28B	TVS	GPP	DO-15	0.4	g	each
BZW06-31	TVS	GPP	DO-15	0.4	g	each
BZW06-31B	TVS	GPP	DO-15	0.4	g	each
BZW06-33	TVS	GPP	DO-15	0.4	g	each
BZW06-33B	TVS	GPP	DO-15	0.4	g	each
BZW06-40	TVS	GPP	DO-15	0.4	g	each
BZW06-40B	TVS	GPP	DO-15	0.4	g	each
BZW06-48	TVS	GPP	DO-15	0.4	g	each
BZW06-48B	TVS	GPP	DO-15	0.4	g	each
BZW06-58	TVS	GPP	DO-15	0.4	g	each
BZW06-58B	TVS	GPP	DO-15	0.4	g	each
BZW06-70	TVS	GPP	DO-15	0.4	g	each
BZW06-70B	TVS	GPP	DO-15	0.4	g	each
BZW06-85	TVS	GPP	DO-15	0.4	g	each
BZW06-85B	TVS	GPP	DO-15	0.4	g	each
BZW06-128	TVS	GPP	DO-15	0.4	g	each
BZW06-128B	TVS	GPP	DO-15	0.4	g	each
BZW06-154	TVS	GPP	DO-15	0.4	g	each
BZW06-154B	TVS	GPP	DO-15	0.4	g	each
BZW06-171	TVS	GPP	DO-15	0.4	g	each
BZW06-171B	TVS	GPP	DO-15	0.4	g	each
BZW06-188	TVS	GPP	DO-15	0.4	g	each
BZW06-188B	TVS	GPP	DO-15	0.4	g	each
BZW06-213	TVS	GPP	DO-15	0.4	g	each
BZW06-213B	TVS	GPP	DO-15	0.4	g	each
BZW06-256	TVS	GPP	DO-15	0.4	g	each
BZW06-256B	TVS	GPP	DO-15	0.4	g	each
BZW06-273	TVS	GPP	DO-15	0.4	g	each
BZW06-273B	TVS	GPP	DO-15	0.4	g	each
BZW06-299	TVS	GPP	DO-15	0.4	g	each
BZW06-299B	TVS	GPP	DO-15	0.4	g	each
BZW06-342	TVS	GPP	DO-15	0.4	g	each
BZW06-342B	TVS	GPP	DO-15	0.4	g	each
BZW06-37	TVS	GPP	DO-15	0.4	g	each
BZW06-37B	TVS	GPP	DO-15	0.4	g	each
BZW06-376	TVS	GPP	DO-15	0.4	g	each
BZW06-376B	TVS	GPP	DO-15	0.4	g	each
P6KE6.8	TVS	GPP	DO-15	0.4	g	each
P6KE6.8A	TVS	GPP	DO-15	0.4	g	each
P6KE6.8C	TVS	GPP	DO-15	0.4	g	each
P6KE6.8CA	TVS	GPP	DO-15	0.4	g	each
P6KE7.5	TVS	GPP	DO-15	0.4	g	each
P6KE7.5A	TVS	GPP	DO-15	0.4	g	each
P6KE7.5C	TVS	GPP	DO-15	0.4	g	each
P6KE7.5CA	TVS	GPP	DO-15	0.4	g	each
P6KE8.2	TVS	GPP	DO-15	0.4	g	each
P6KE8.2A	TVS	GPP	DO-15	0.4	g	each
P6KE8.2C	TVS	GPP	DO-15	0.4	g	each
P6KE8.2CA	TVS	GPP	DO-15	0.4	g	each
P6KE9.1	TVS	GPP	DO-15	0.4	g	each
P6KE9.1A	TVS	GPP	DO-15	0.4	g	each
P6KE9.1C	TVS	GPP	DO-15	0.4	g	each
P6KE9.1CA	TVS	GPP	DO-15	0.4	g	each
P6KE10	TVS	GPP	DO-15	0.4	g	each
P6KE10A	TVS	GPP	DO-15	0.4	g	each
P6KE10C	TVS	GPP	DO-15	0.4	g	each
P6KE10CA	TVS	GPP	DO-15	0.4	g	each
P6KE11	TVS	GPP	DO-15	0.4	g	each
P6KE11A	TVS	GPP	DO-15	0.4	g	each
P6KE11C	TVS	GPP	DO-15	0.4	g	each
P6KE11CA	TVS	GPP	DO-15	0.4	g	each
P6KE12	TVS	GPP	DO-15	0.4	g	each
P6KE12A	TVS	GPP	DO-15	0.4	g	each
P6KE12C	TVS	GPP	DO-15	0.4	g	each
P6KE12CA	TVS	GPP	DO-15	0.4	g	each
P6KE13	TVS	GPP	DO-15	0.4	g	each
P6KE13A	TVS	GPP	DO-15	0.4	g	each
P6KE13C	TVS	GPP	DO-15	0.4	g	each
P6KE13CA	TVS	GPP	DO-15	0.4	g	each
P6KE15	TVS	GPP	DO-15	0.4	g	each
P6KE15A	TVS	GPP	DO-15	0.4	g	each
P6KE15C	TVS	GPP	DO-15	0.4	g	each
P6KE15CA	TVS	GPP	DO-15	0.4	g	each
P6KE16	TVS	GPP	DO-15	0.4	g	each

P6KE16A	TVS	GPP	DO-15	0.4	g	each
P6KE16C	TVS	GPP	DO-15	0.4	g	each
P6KE16CA	TVS	GPP	DO-15	0.4	g	each
P6KE18	TVS	GPP	DO-15	0.4	g	each
P6KE18A	TVS	GPP	DO-15	0.4	g	each
P6KE18C	TVS	GPP	DO-15	0.4	g	each
P6KE18CA	TVS	GPP	DO-15	0.4	g	each
P6KE20	TVS	GPP	DO-15	0.4	g	each
P6KE20A	TVS	GPP	DO-15	0.4	g	each
P6KE20C	TVS	GPP	DO-15	0.4	g	each
P6KE20CA	TVS	GPP	DO-15	0.4	g	each
P6KE22	TVS	GPP	DO-15	0.4	g	each
P6KE22A	TVS	GPP	DO-15	0.4	g	each
P6KE22C	TVS	GPP	DO-15	0.4	g	each
P6KE22CA	TVS	GPP	DO-15	0.4	g	each
P6KE24	TVS	GPP	DO-15	0.4	g	each
P6KE24A	TVS	GPP	DO-15	0.4	g	each
P6KE24C	TVS	GPP	DO-15	0.4	g	each
P6KE24CA	TVS	GPP	DO-15	0.4	g	each
P6KE27	TVS	GPP	DO-15	0.4	g	each
P6KE27A	TVS	GPP	DO-15	0.4	g	each
P6KE27C	TVS	GPP	DO-15	0.4	g	each
P6KE27CA	TVS	GPP	DO-15	0.4	g	each
P6KE30	TVS	GPP	DO-15	0.4	g	each
P6KE30A	TVS	GPP	DO-15	0.4	g	each
P6KE30C	TVS	GPP	DO-15	0.4	g	each
P6KE30CA	TVS	GPP	DO-15	0.4	g	each
P6KE33	TVS	GPP	DO-15	0.4	g	each
P6KE33A	TVS	GPP	DO-15	0.4	g	each
P6KE33C	TVS	GPP	DO-15	0.4	g	each
P6KE33CA	TVS	GPP	DO-15	0.4	g	each
P6KE36	TVS	GPP	DO-15	0.4	g	each
P6KE36A	TVS	GPP	DO-15	0.4	g	each
P6KE36C	TVS	GPP	DO-15	0.4	g	each
P6KE36CA	TVS	GPP	DO-15	0.4	g	each
P6KE39	TVS	GPP	DO-15	0.4	g	each
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P6KE43	TVS	GPP	DO-15	0.4	g	each
P6KE43A	TVS	GPP	DO-15	0.4	g	each
P6KE43C	TVS	GPP	DO-15	0.4	g	each
P6KE43CA	TVS	GPP	DO-15	0.4	g	each
P6KE47	TVS	GPP	DO-15	0.4	g	each
P6KE47A	TVS	GPP	DO-15	0.4	g	each
P6KE47C	TVS	GPP	DO-15	0.4	g	each
P6KE47CA	TVS	GPP	DO-15	0.4	g	each
P6KE51	TVS	GPP	DO-15	0.4	g	each
P6KE51A	TVS	GPP	DO-15	0.4	g	each
P6KE51C	TVS	GPP	DO-15	0.4	g	each
P6KE51CA	TVS	GPP	DO-15	0.4	g	each
P6KE56	TVS	GPP	DO-15	0.4	g	each
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P6KE62	TVS	GPP	DO-15	0.4	g	each
P6KE62A	TVS	GPP	DO-15	0.4	g	each
P6KE62C	TVS	GPP	DO-15	0.4	g	each
P6KE62CA	TVS	GPP	DO-15	0.4	g	each
P6KE68	TVS	GPP	DO-15	0.4	g	each
P6KE68A	TVS	GPP	DO-15	0.4	g	each
P6KE68C	TVS	GPP	DO-15	0.4	g	each
P6KE68CA	TVS	GPP	DO-15	0.4	g	each
P6KE75	TVS	GPP	DO-15	0.4	g	each
P6KE75A	TVS	GPP	DO-15	0.4	g	each
P6KE75C	TVS	GPP	DO-15	0.4	g	each
P6KE75CA	TVS	GPP	DO-15	0.4	g	each
P6KE82	TVS	GPP	DO-15	0.4	g	each
P6KE82A	TVS	GPP	DO-15	0.4	g	each
P6KE82C	TVS	GPP	DO-15	0.4	g	each
P6KE82CA	TVS	GPP	DO-15	0.4	g	each
P6KE91	TVS	GPP	DO-15	0.4	g	each
P6KE91A	TVS	GPP	DO-15	0.4	g	each
P6KE91C	TVS	GPP	DO-15	0.4	g	each
P6KE91CA	TVS	GPP	DO-15	0.4	g	each
P6KE100	TVS	GPP	DO-15	0.4	g	each
P6KE100A	TVS	GPP	DO-15	0.4	g	each
P6KE100C	TVS	GPP	DO-15	0.4	g	each
P6KE100CA	TVS	GPP	DO-15	0.4	g	each
P6KE110	TVS	GPP	DO-15	0.4	g	each
P6KE110A	TVS	GPP	DO-15	0.4	g	each
P6KE110C	TVS	GPP	DO-15	0.4	g	each
P6KE110CA	TVS	GPP	DO-15	0.4	g	each
P6KE120	TVS	GPP	DO-15	0.4	g	each
P6KE120A	TVS	GPP	DO-15	0.4	g	each
P6KE120C	TVS	GPP	DO-15	0.4	g	each
P6KE120CA	TVS	GPP	DO-15	0.4	g	each
P6KE130	TVS	GPP	DO-15	0.4	g	each
P6KE130A	TVS	GPP	DO-15	0.4	g	each
P6KE130C	TVS	GPP	DO-15	0.4	g	each
P6KE130CA	TVS	GPP	DO-15	0.4	g	each
P6KE150	TVS	GPP	DO-15	0.4	g	each
P6KE150A	TVS	GPP	DO-15	0.4	g	each
P6KE150C	TVS	GPP	DO-15	0.4	g	each
P6KE150CA	TVS	GPP	DO-15	0.4	g	each
P6KE160	TVS	GPP	DO-15	0.4	g	each
P6KE160A	TVS	GPP	DO-15	0.4	g	each
P6KE160C	TVS	GPP	DO-15	0.4	g	each
P6KE160CA	TVS	GPP	DO-15	0.4	g	each
P6KE170	TVS	GPP	DO-15	0.4	g	each
P6KE170A	TVS	GPP	DO-15	0.4	g	each
P6KE170C	TVS	GPP	DO-15	0.4	g	each
P6KE170CA	TVS	GPP	DO-15	0.4	g	each
P6KE180	TVS	GPP	DO-15	0.4	g	each
P6KE180A	TVS	GPP	DO-15	0.4	g	each
P6KE180C	TVS	GPP	DO-15	0.4	g	each
P6KE180CA	TVS	GPP	DO-15	0.4	g	each
P6KE200	TVS	GPP	DO-15	0.4	g	each
P6KE200A	TVS	GPP	DO-15	0.4	g	each
P6KE200C	TVS	GPP	DO-15	0.4	g	each
P6KE200CA	TVS	GPP	DO-15	0.4	g	each
P6KE220	TVS	GPP	DO-15	0.4	g	each
P6KE220A	TVS	GPP	DO-15	0.4	g	each

P6KE220C	TVS	GPP	DO-15	0.4	g	each
P6KE220CA	TVS	GPP	DO-15	0.4	g	each
P6KE250	TVS	GPP	DO-15	0.4	g	each
P6KE250A	TVS	GPP	DO-15	0.4	g	each
P6KE250C	TVS	GPP	DO-15	0.4	g	each
P6KE250CA	TVS	GPP	DO-15	0.4	g	each
P6KE300	TVS	GPP	DO-15	0.4	g	each
P6KE300A	TVS	GPP	DO-15	0.4	g	each
P6KE300C	TVS	GPP	DO-15	0.4	g	each
P6KE300CA	TVS	GPP	DO-15	0.4	g	each
P6KE350	TVS	GPP	DO-15	0.4	g	each
P6KE350A	TVS	GPP	DO-15	0.4	g	each
P6KE350C	TVS	GPP	DO-15	0.4	g	each
P6KE350CA	TVS	GPP	DO-15	0.4	g	each
P6KE400	TVS	GPP	DO-15	0.4	g	each
P6KE400A	TVS	GPP	DO-15	0.4	g	each
P6KE400C	TVS	GPP	DO-15	0.4	g	each
P6KE400CA	TVS	GPP	DO-15	0.4	g	each
P6KE440	TVS	GPP	DO-15	0.4	g	each
P6KE440A	TVS	GPP	DO-15	0.4	g	each
P6KE440C	TVS	GPP	DO-15	0.4	g	each
P6KE440CA	TVS	GPP	DO-15	0.4	g	each
SA5.0	TVS	GPP	DO-15	0.4	g	each
SA5.0A	TVS	GPP	DO-15	0.4	g	each
SA5.0C	TVS	GPP	DO-15	0.4	g	each
SA5.0CA	TVS	GPP	DO-15	0.4	g	each
SA6.0	TVS	GPP	DO-15	0.4	g	each
SA6.0A	TVS	GPP	DO-15	0.4	g	each
SA6.0C	TVS	GPP	DO-15	0.4	g	each
SA6.0CA	TVS	GPP	DO-15	0.4	g	each
SA6.5	TVS	GPP	DO-15	0.4	g	each
SA6.5A	TVS	GPP	DO-15	0.4	g	each
SA6.5C	TVS	GPP	DO-15	0.4	g	each
SA6.5CA	TVS	GPP	DO-15	0.4	g	each
SA7.0	TVS	GPP	DO-15	0.4	g	each
SA7.0A	TVS	GPP	DO-15	0.4	g	each
SA7.0C	TVS	GPP	DO-15	0.4	g	each
SA7.0CA	TVS	GPP	DO-15	0.4	g	each
SA7.5	TVS	GPP	DO-15	0.4	g	each
SA7.5A	TVS	GPP	DO-15	0.4	g	each
SA7.5C	TVS	GPP	DO-15	0.4	g	each
SA7.5CA	TVS	GPP	DO-15	0.4	g	each
SA8.0	TVS	GPP	DO-15	0.4	g	each
SA8.0A	TVS	GPP	DO-15	0.4	g	each
SA8.0C	TVS	GPP	DO-15	0.4	g	each
SA8.0CA	TVS	GPP	DO-15	0.4	g	each
SA8.5	TVS	GPP	DO-15	0.4	g	each
SA8.5A	TVS	GPP	DO-15	0.4	g	each
SA8.5C	TVS	GPP	DO-15	0.4	g	each
SA8.5CA	TVS	GPP	DO-15	0.4	g	each
SA9.0	TVS	GPP	DO-15	0.4	g	each
SA9.0A	TVS	GPP	DO-15	0.4	g	each
SA9.0C	TVS	GPP	DO-15	0.4	g	each
SA9.0CA	TVS	GPP	DO-15	0.4	g	each
SA10	TVS	GPP	DO-15	0.4	g	each
SA10A	TVS	GPP	DO-15	0.4	g	each
SA10C	TVS	GPP	DO-15	0.4	g	each
SA10CA	TVS	GPP	DO-15	0.4	g	each
SA11	TVS	GPP	DO-15	0.4	g	each
SA11A	TVS	GPP	DO-15	0.4	g	each
SA11C	TVS	GPP	DO-15	0.4	g	each
SA11CA	TVS	GPP	DO-15	0.4	g	each
SA12	TVS	GPP	DO-15	0.4	g	each
SA12A	TVS	GPP	DO-15	0.4	g	each
SA12C	TVS	GPP	DO-15	0.4	g	each
SA12CA	TVS	GPP	DO-15	0.4	g	each
SA13	TVS	GPP	DO-15	0.4	g	each
SA13A	TVS	GPP	DO-15	0.4	g	each
SA13C	TVS	GPP	DO-15	0.4	g	each
SA13CA	TVS	GPP	DO-15	0.4	g	each
SA14	TVS	GPP	DO-15	0.4	g	each
SA14A	TVS	GPP	DO-15	0.4	g	each
SA14C	TVS	GPP	DO-15	0.4	g	each
SA14CA	TVS	GPP	DO-15	0.4	g	each
SA15	TVS	GPP	DO-15	0.4	g	each
SA15A	TVS	GPP	DO-15	0.4	g	each
SA15C	TVS	GPP	DO-15	0.4	g	each
SA15CA	TVS	GPP	DO-15	0.4	g	each
SA16	TVS	GPP	DO-15	0.4	g	each
SA16A	TVS	GPP	DO-15	0.4	g	each
SA16C	TVS	GPP	DO-15	0.4	g	each
SA16CA	TVS	GPP	DO-15	0.4	g	each
SA17	TVS	GPP	DO-15	0.4	g	each
SA17A	TVS	GPP	DO-15	0.4	g	each
SA17C	TVS	GPP	DO-15	0.4	g	each
SA17CA	TVS	GPP	DO-15	0.4	g	each
SA18	TVS	GPP	DO-15	0.4	g	each
SA18A	TVS	GPP	DO-15	0.4	g	each
SA18C	TVS	GPP	DO-15	0.4	g	each
SA18CA	TVS	GPP	DO-15	0.4	g	each
SA20	TVS	GPP	DO-15	0.4	g	each
SA20A	TVS	GPP	DO-15	0.4	g	each
SA20C	TVS	GPP	DO-15	0.4	g	each
SA20CA	TVS	GPP	DO-15	0.4	g	each
SA22	TVS	GPP	DO-15	0.4	g	each
SA22A	TVS	GPP	DO-15	0.4	g	each
SA22C	TVS	GPP	DO-15	0.4	g	each
SA22CA	TVS	GPP	DO-15	0.4	g	each
SA24	TVS	GPP	DO-15	0.4	g	each
SA24A	TVS	GPP	DO-15	0.4	g	each
SA24C	TVS	GPP	DO-15	0.4	g	each
SA24CA	TVS	GPP	DO-15	0.4	g	each
SA26	TVS	GPP	DO-15	0.4	g	each
SA26A	TVS	GPP	DO-15	0.4	g	each
SA26C	TVS	GPP	DO-15	0.4	g	each
SA26CA	TVS	GPP	DO-15	0.4	g	each
SA28	TVS	GPP	DO-15	0.4	g	each
SA28A	TVS	GPP	DO-15	0.4	g	each
SA28C	TVS	GPP	DO-15	0.4	g	each
SA28CA	TVS	GPP	DO-15	0.4	g	each
SA30	TVS	GPP	DO-15	0.4	g	each
SA30A	TVS	GPP	DO-15	0.4	g	each
SA30C	TVS	GPP	DO-15	0.4	g	each

SA30CA	TVS	GPP	DO-15	0.4	g	each
SA33	TVS	GPP	DO-15	0.4	g	each
SA33A	TVS	GPP	DO-15	0.4	g	each
SA33C	TVS	GPP	DO-15	0.4	g	each
SA33CA	TVS	GPP	DO-15	0.4	g	each
SA36	TVS	GPP	DO-15	0.4	g	each
SA36A	TVS	GPP	DO-15	0.4	g	each
SA36C	TVS	GPP	DO-15	0.4	g	each
SA36CA	TVS	GPP	DO-15	0.4	g	each
SA40	TVS	GPP	DO-15	0.4	g	each
SA40A	TVS	GPP	DO-15	0.4	g	each
SA40C	TVS	GPP	DO-15	0.4	g	each
SA40CA	TVS	GPP	DO-15	0.4	g	each
SA43	TVS	GPP	DO-15	0.4	g	each
SA43A	TVS	GPP	DO-15	0.4	g	each
SA43C	TVS	GPP	DO-15	0.4	g	each
SA43CA	TVS	GPP	DO-15	0.4	g	each
SA45	TVS	GPP	DO-15	0.4	g	each
SA45A	TVS	GPP	DO-15	0.4	g	each
SA45C	TVS	GPP	DO-15	0.4	g	each
SA45CA	TVS	GPP	DO-15	0.4	g	each
SA48	TVS	GPP	DO-15	0.4	g	each
SA48A	TVS	GPP	DO-15	0.4	g	each
SA48C	TVS	GPP	DO-15	0.4	g	each
SA48CA	TVS	GPP	DO-15	0.4	g	each
SA51	TVS	GPP	DO-15	0.4	g	each
SA51A	TVS	GPP	DO-15	0.4	g	each
SA51C	TVS	GPP	DO-15	0.4	g	each
SA51CA	TVS	GPP	DO-15	0.4	g	each
SA54	TVS	GPP	DO-15	0.4	g	each
SA54A	TVS	GPP	DO-15	0.4	g	each
SA54C	TVS	GPP	DO-15	0.4	g	each
SA54CA	TVS	GPP	DO-15	0.4	g	each
SA58	TVS	GPP	DO-15	0.4	g	each
SA58A	TVS	GPP	DO-15	0.4	g	each
SA58C	TVS	GPP	DO-15	0.4	g	each
SA58CA	TVS	GPP	DO-15	0.4	g	each
SA60	TVS	GPP	DO-15	0.4	g	each
SA60A	TVS	GPP	DO-15	0.4	g	each
SA60C	TVS	GPP	DO-15	0.4	g	each
SA60CA	TVS	GPP	DO-15	0.4	g	each
SA64	TVS	GPP	DO-15	0.4	g	each
SA64A	TVS	GPP	DO-15	0.4	g	each
SA64C	TVS	GPP	DO-15	0.4	g	each
SA64CA	TVS	GPP	DO-15	0.4	g	each
SA70	TVS	GPP	DO-15	0.4	g	each
SA70A	TVS	GPP	DO-15	0.4	g	each
SA70C	TVS	GPP	DO-15	0.4	g	each
SA70CA	TVS	GPP	DO-15	0.4	g	each
SA75	TVS	GPP	DO-15	0.4	g	each
SA75A	TVS	GPP	DO-15	0.4	g	each
SA75C	TVS	GPP	DO-15	0.4	g	each
SA75CA	TVS	GPP	DO-15	0.4	g	each
SA78	TVS	GPP	DO-15	0.4	g	each
SA78A	TVS	GPP	DO-15	0.4	g	each
SA78C	TVS	GPP	DO-15	0.4	g	each
SA78CA	TVS	GPP	DO-15	0.4	g	each
SA85	TVS	GPP	DO-15	0.4	g	each
SA85A	TVS	GPP	DO-15	0.4	g	each
SA85C	TVS	GPP	DO-15	0.4	g	each
SA85CA	TVS	GPP	DO-15	0.4	g	each
SA90	TVS	GPP	DO-15	0.4	g	each
SA90A	TVS	GPP	DO-15	0.4	g	each
SA90C	TVS	GPP	DO-15	0.4	g	each
SA90CA	TVS	GPP	DO-15	0.4	g	each
SA100	TVS	GPP	DO-15	0.4	g	each
SA100A	TVS	GPP	DO-15	0.4	g	each
SA100C	TVS	GPP	DO-15	0.4	g	each
SA100CA	TVS	GPP	DO-15	0.4	g	each
SA110	TVS	GPP	DO-15	0.4	g	each
SA110A	TVS	GPP	DO-15	0.4	g	each
SA110C	TVS	GPP	DO-15	0.4	g	each
SA110CA	TVS	GPP	DO-15	0.4	g	each
SA120	TVS	GPP	DO-15	0.4	g	each
SA120A	TVS	GPP	DO-15	0.4	g	each
SA120C	TVS	GPP	DO-15	0.4	g	each
SA120CA	TVS	GPP	DO-15	0.4	g	each
SA130	TVS	GPP	DO-15	0.4	g	each
SA130A	TVS	GPP	DO-15	0.4	g	each
SA130C	TVS	GPP	DO-15	0.4	g	each
SA130CA	TVS	GPP	DO-15	0.4	g	each
SA150	TVS	GPP	DO-15	0.4	g	each
SA150A	TVS	GPP	DO-15	0.4	g	each
SA150C	TVS	GPP	DO-15	0.4	g	each
SA150CA	TVS	GPP	DO-15	0.4	g	each
SA160	TVS	GPP	DO-15	0.4	g	each
SA160A	TVS	GPP	DO-15	0.4	g	each
SA160C	TVS	GPP	DO-15	0.4	g	each
SA160CA	TVS	GPP	DO-15	0.4	g	each
SA170	TVS	GPP	DO-15	0.4	g	each
SA170A	TVS	GPP	DO-15	0.4	g	each
SA170C	TVS	GPP	DO-15	0.4	g	each
SA170CA	TVS	GPP	DO-15	0.4	g	each
2M6.8Z	Zener Diode	GPP	DO-15	0.4	g	each
2M11Z	Zener Diode	GPP	DO-15	0.4	g	each
2M12Z	Zener Diode	GPP	DO-15	0.4	g	each
2M13Z	Zener Diode	GPP	DO-15	0.4	g	each
2M14Z	Zener Diode	GPP	DO-15	0.4	g	each
2M15Z	Zener Diode	GPP	DO-15	0.4	g	each
2M16Z	Zener Diode	GPP	DO-15	0.4	g	each
2M17Z	Zener Diode	GPP	DO-15	0.4	g	each
2M18Z	Zener Diode	GPP	DO-15	0.4	g	each
2M19Z	Zener Diode	GPP	DO-15	0.4	g	each
2M20Z	Zener Diode	GPP	DO-15	0.4	g	each
2M22Z	Zener Diode	GPP	DO-15	0.4	g	each
2M24Z	Zener Diode	GPP	DO-15	0.4	g	each
2M27Z	Zener Diode	GPP	DO-15	0.4	g	each
2M30Z	Zener Diode	GPP	DO-15	0.4	g	each
2M33Z	Zener Diode	GPP	DO-15	0.4	g	each
2M36Z	Zener Diode	GPP	DO-15	0.4	g	each
2M39Z	Zener Diode	GPP	DO-15	0.4	g	each
2M43Z	Zener Diode	GPP	DO-15	0.4	g	each
2M47Z	Zener Diode	GPP	DO-15	0.4	g	each

2M51Z	Zener Diode	GPP	DO-15	0.4	g	each
2M56Z	Zener Diode	GPP	DO-15	0.4	g	each
2M62Z	Zener Diode	GPP	DO-15	0.4	g	each
2M68Z	Zener Diode	GPP	DO-15	0.4	g	each
2M75Z	Zener Diode	GPP	DO-15	0.4	g	each
2M82Z	Zener Diode	GPP	DO-15	0.4	g	each
2M91Z	Zener Diode	GPP	DO-15	0.4	g	each
2M100Z	Zener Diode	GPP	DO-15	0.4	g	each
2M110Z	Zener Diode	GPP	DO-15	0.4	g	each
2M120Z	Zener Diode	GPP	DO-15	0.4	g	each
2M130Z	Zener Diode	GPP	DO-15	0.4	g	each
2M140Z	Zener Diode	GPP	DO-15	0.4	g	each
2M150Z	Zener Diode	GPP	DO-15	0.4	g	each
2M160Z	Zener Diode	GPP	DO-15	0.4	g	each
2M170Z	Zener Diode	GPP	DO-15	0.4	g	each
2M180Z	Zener Diode	GPP	DO-15	0.4	g	each
2M190Z	Zener Diode	GPP	DO-15	0.4	g	each
2M200Z	Zener Diode	GPP	DO-15	0.4	g	each
3A60	Standard	GPP	DO-15	0.4	g	each
3A100	Standard	GPP	DO-15	0.4	g	each
UG2D	Ultra Fast	GPP	DO-15	0.33	g	each