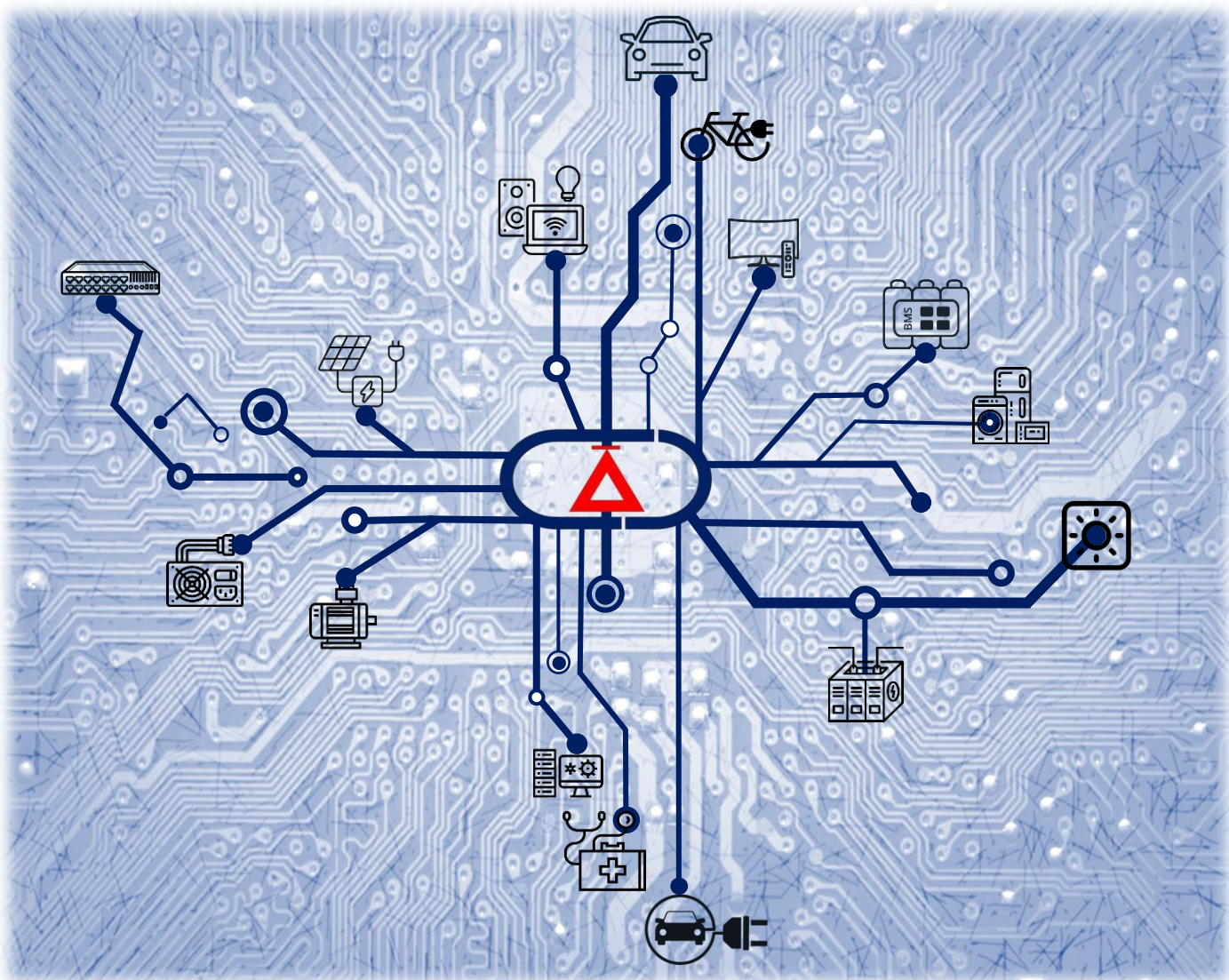


# ALPINESEMI™

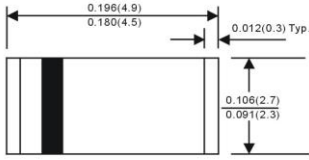
*beyond boundaries...*



## SUPER FAST RECTIFIERS

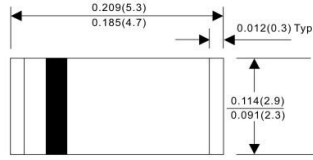
### Short Form Catalogue

## SMA



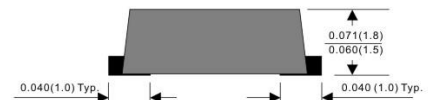
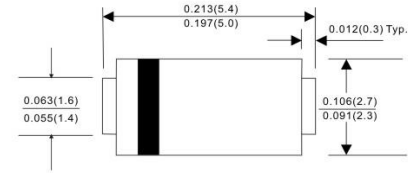
Dimensions in inches and (millimeters)

## SMA-L



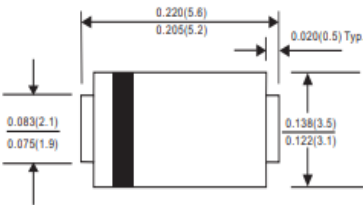
Dimensions in inches and (millimeters)

## SMA-S



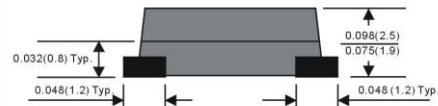
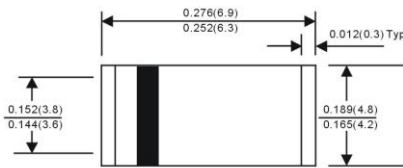
Dimensions in inches and (millimeters)

## SMB-S



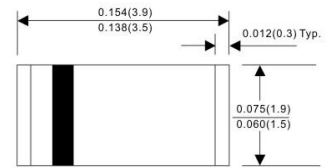
Dimensions in inches and (millimeters)

## SMC



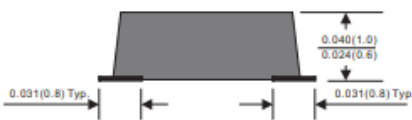
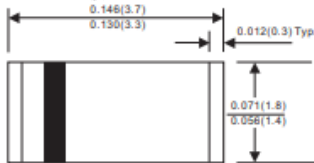
Dimensions in inches and (millimeters)

## SOD-123



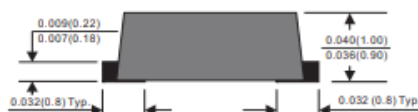
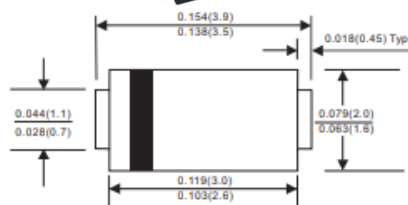
Dimensions in inches and (millimeters)

## SOD-123H



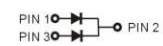
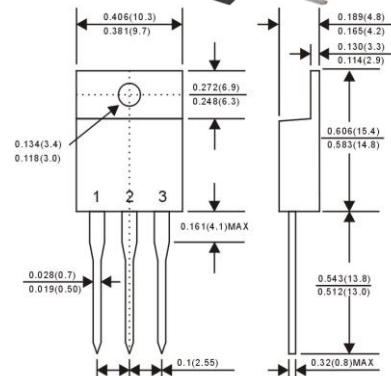
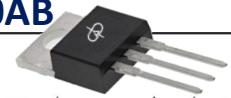
Dimensions in inches and (millimeters)

## SOD-123S



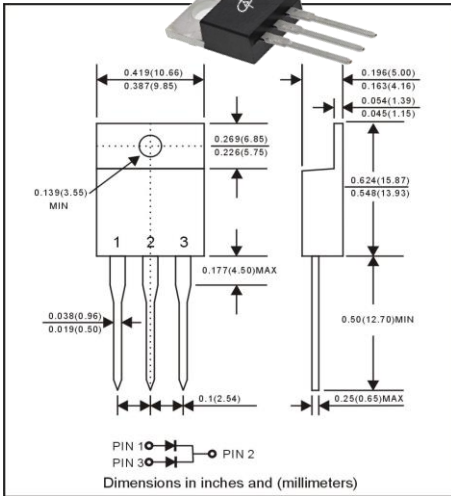
Dimensions in inches and (millimeters)

## ITO-220AB

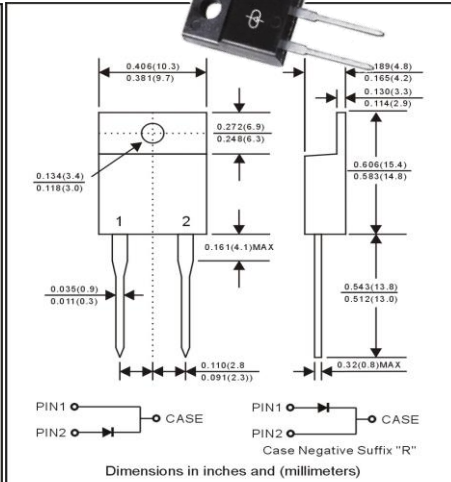


Dimensions in inches and (millimeters)

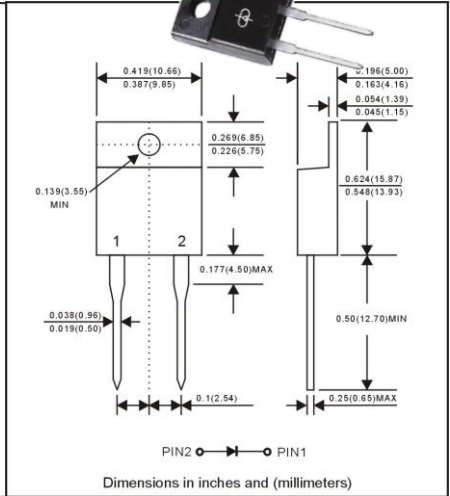
## TO-220AB



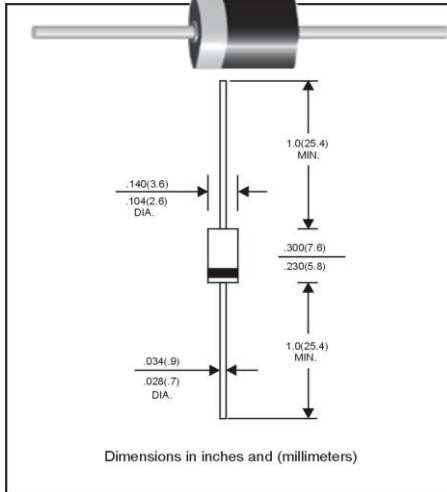
## ITO-220AC



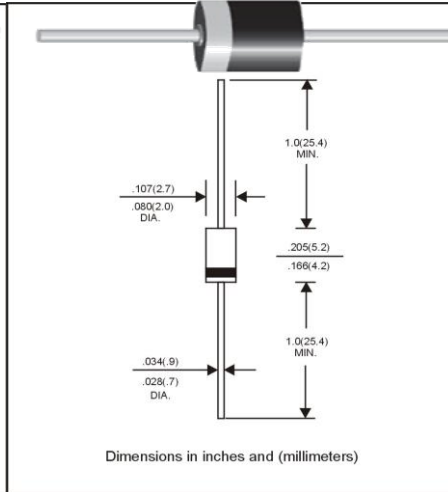
## TO-220AC



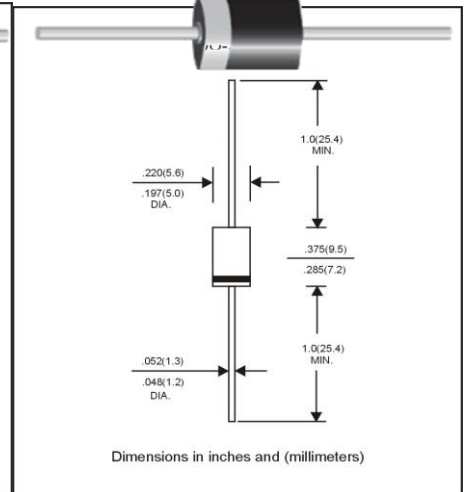
## DO-15



## DO-41



## DO-201AD



Alpinesemi™ Part Number	V <sub>RRM</sub> (V)	I <sub>F(AV)</sub> (A)	V <sub>F_MAX</sub> (V)	I <sub>R_MAX</sub> (μA)	t <sub>rr</sub> (ns)	PACKAGE
ALPSF1005CT	50	5	0.98	5	35	TO-220AB
ALPSF1005FCT	50	5	0.98	5	35	ITO-220AB
ALPSF10A05	50	10	0.98	5	35	TO-220AC
ALPSF10A05F	50	10	0.98	5	35	ITO-220AC
ALPSF11	50	1	0.95	5	35	DO-41
ALPSF11G	50	1	0.95	5	35	DO-41
ALPSF15A05	50	15	0.98	5	35	TO-220AC
ALPSF15A05F	50	15	0.98	5	35	ITO-220AC
ALPSF1605CT	50	8	0.98	5	35	TO-220AB
ALPSF1605FCT	50	8	0.98	5	35	ITO-220AB
ALPSF2005CT	50	10	0.98	5	35	TO-220AB
ALPSF2005FCT	50	10	0.98	5	35	ITO-220AB
ALPSF21	50	2	0.95	5	35	DO-15
ALPSF21G	50	2	0.95	5	35	DO-15
ALPSF31	50	3	0.95	5	35	DO-201AD
ALPSF31G	50	3	0.95	5	35	DO-201AD
ALPSF51	50	5	0.95	5	35	DO-201AD
ALPSF51G	50	5	0.95	5	35	DO-201AD
ALPSF5A05	50	5	0.98	5	35	TO-220AC
ALPSF5A05F	50	5	0.98	5	35	ITO-220AC
ALPSF61G	50	6	0.95	5	35	DO-201AD
ALPSF8A05	50	8	0.98	5	35	TO-220AC
ALPSF8A05F	50	8	0.98	5	35	ITO-220AC
ALPSFM11	50	1	0.95	5	35	SMA
ALPSFM11-L	50	1	0.95	5	35	SMA-L
ALPSFM11-M	50	1	0.95	5	35	SOD-123
ALPSFM11-MH	50	1	0.95	5	35	SOD-123H
ALPSFM11-MS	50	1	0.95	5	35	SOD-123S
ALPSFM11-S	50	1	0.95	5	35	SMA-S
ALPSFM21	50	2	0.95	5	35	SMA
ALPSFM21-BS	50	2	0.95	5	35	SMB-S
ALPSFM21-L	50	2	0.95	5	35	SMA-L
ALPSFM21-S	50	2	0.95	5	35	SMA-S
ALPSFM31	50	3	0.95	5	35	SMC
ALPSFM31-BS	50	3	0.95	5	35	SMB-S
ALPSFM51	50	5	0.95	5	35	SMC
ALPSF1010CT	100	5	0.98	5	35	TO-220AB
ALPSF1010FCT	100	5	0.98	5	35	ITO-220AB
ALPSF10A10	100	10	0.98	5	35	TO-220AC
ALPSF10A10F	100	10	0.98	5	35	ITO-220AC

Alpinesemi™ Part Number	V <sub>RRM</sub> (V)	I <sub>F(AV)</sub> (A)	V <sub>F_MAX</sub> (V)	I <sub>R_MAX</sub> (μA)	t <sub>rr</sub> (ns)	PACKAGE
ALPSF12	100	1	0.95	5	35	DO-41
ALPSF12G	100	1	0.95	5	35	DO-41
ALPSF15A10	100	15	0.98	5	35	TO-220AC
ALPSF15A10F	100	15	0.98	5	35	ITO-220AC
ALPSF1610CT	100	8	0.98	5	35	TO-220AB
ALPSF1610FCT	100	8	0.98	5	35	ITO-220AB
ALPSF2010CT	100	10	0.98	5	35	TO-220AB
ALPSF2010FCT	100	10	0.98	5	35	ITO-220AB
ALPSF22	100	2	0.95	5	35	DO-15
ALPSF22G	100	2	0.95	5	35	DO-15
ALPSF32	100	3	0.95	5	35	DO-201AD
ALPSF32G	100	3	0.95	5	35	DO-201AD
ALPSF52	100	5	0.95	5	35	DO-201AD
ALPSF52G	100	5	0.95	5	35	DO-201AD
ALPSF5A10	100	5	0.98	5	35	TO-220AC
ALPSF5A10F	100	5	0.98	5	35	ITO-220AC
ALPSF62G	100	6	0.95	5	35	DO-201AD
ALPSF8A10	100	8	0.98	5	35	TO-220AC
ALPSF8A10F	100	8	0.98	5	35	ITO-220AC
ALPSFM12	100	1	0.95	5	35	SMA
ALPSFM12-L	100	1	0.95	5	35	SMA-L
ALPSFM12-M	100	1	0.95	5	35	SOD-123
ALPSFM12-MH	100	1	0.95	5	35	SOD-123H
ALPSFM12-MS	100	1	0.95	5	35	SOD-123S
ALPSFM12-S	100	1	0.95	5	35	SMA-S
ALPSFM22	100	2	0.95	5	35	SMA
ALPSFM22-BS	100	2	0.95	5	35	SMB-S
ALPSFM22-L	100	2	0.95	5	35	SMA-L
ALPSFM22-S	100	2	0.95	5	35	SMA-S
ALPSFM32	100	3	0.95	5	35	SMC
ALPSFM32-BS	100	3	0.95	5	35	SMB-S
ALPSFM52	100	5	0.95	5	35	SMC
ALPSF13	150	1	0.95	5	35	DO-41
ALPSF13G	150	1	0.95	5	35	DO-41
ALPSF23	150	2	0.95	5	35	DO-15
ALPSF23G	150	2	0.95	5	35	DO-15
ALPSF33	150	3	0.95	5	35	DO-201AD
ALPSF33G	150	3	0.95	5	35	DO-201AD
ALPSF53	150	5	0.95	5	35	DO-201AD
ALPSF53G	150	5	0.95	5	35	DO-201AD
ALPSF63G	150	6	0.95	5	35	DO-201AD

Alpinesemi™ Part Number	V <sub>RRM</sub> (V)	I <sub>F(AV)</sub> (A)	V <sub>F_MAX</sub> (V)	I <sub>R_MAX</sub> (μA)	t <sub>rr</sub> (ns)	PACKAGE
ALPSFM13	150	1	0.95	5	35	SMA
ALPSFM13-L	150	1	0.95	5	35	SMA-L
ALPSFM13-M	150	1	0.95	5	35	SOD-123
ALPSFM13-MH	150	1	0.95	5	35	SOD-123H
ALPSFM13-MS	150	1	0.95	5	35	SOD-123S
ALPSFM13-S	150	1	0.95	5	35	SMA-S
ALPSFM23	150	2	0.95	5	35	SMA
ALPSFM23-BS	150	2	0.95	5	35	SMB-S
ALPSFM23-L	150	2	0.95	5	35	SMA-L
ALPSFM23-S	150	2	0.95	5	35	SMA-S
ALPSFM33	150	3	0.95	5	35	SMC
ALPSFM33-BS	150	3	0.95	5	35	SMB-S
ALPSFM53	150	5	0.95	5	35	SMC
ALPSF1020CT	200	5	0.98	5	35	TO-220AB
ALPSF1020FCT	200	5	0.98	5	35	ITO-220AB
ALPSF10A20	200	10	0.98	5	35	TO-220AC
ALPSF10A20F	200	10	0.98	5	35	ITO-220AC
ALPSF14	200	1	0.95	5	35	DO-41
ALPSF14G	200	1	0.95	5	35	DO-41
ALPSF15A20	200	15	0.98	5	35	TO-220AC
ALPSF15A20F	200	15	0.98	5	35	ITO-220AC
ALPSF1620CT	200	8	0.98	5	35	TO-220AB
ALPSF1620FCT	200	8	0.98	5	35	ITO-220AB
ALPSF2020CT	200	10	0.98	5	35	TO-220AB
ALPSF2020FCT	200	10	0.98	5	35	ITO-220AB
ALPSF24	200	2	0.95	5	35	DO-15
ALPSF24G	200	2	0.95	5	35	DO-15
ALPSF34	200	3	0.95	5	35	DO-201AD
ALPSF34G	200	3	0.95	5	35	DO-201AD
ALPSF54	200	5	0.95	5	35	DO-201AD
ALPSF54G	200	5	0.95	5	35	DO-201AD
ALPSF5A20	200	5	0.98	5	35	TO-220AC
ALPSF5A20F	200	5	0.98	5	35	ITO-220AC
ALPSF64G	200	6	0.95	5	35	DO-201AD
ALPSF8A20	200	8	0.98	5	35	TO-220AC
ALPSF8A20F	200	8	0.98	5	35	ITO-220AC
ALPSFM14	200	1	0.95	5	35	SMA
ALPSFM14-L	200	1	0.95	5	35	SMA-L
ALPSFM14-M	200	1	0.95	5	35	SOD-123
ALPSFM14-MH	200	1	0.95	5	35	SOD-123H
ALPSFM14-MS	200	1	0.95	5	35	SOD-123S
ALPSFM14-S	200	1	0.95	5	35	SMA-S

Alpinesemi™ Part Number	V <sub>RRM</sub> (V)	I <sub>F(AV)</sub> (A)	V <sub>F_MAX</sub> (V)	I <sub>R_MAX</sub> (μA)	t <sub>rr</sub> (ns)	PACKAGE
ALPSFM24	200	2	0.95	5	35	SMA
ALPSFM24-BS	200	2	0.95	5	35	SMB-S
ALPSFM24-L	200	2	0.95	5	35	SMA-L
ALPSFM24-S	200	2	0.95	5	35	SMA-S
ALPSFM34	200	3	0.95	5	35	SMC
ALPSFM34-BS	200	3	0.95	5	35	SMB-S
ALPSFM54	200	5	0.95	5	35	SMC
ALPSF15	300	1	1.25	5	35	DO-41
ALPSF15G	300	1	1.25	5	35	DO-41
ALPSF25	300	2	1.25	5	35	DO-15
ALPSF25G	300	2	1.25	5	35	DO-15
ALPSF35	300	3	1.25	5	35	DO-201AD
ALPSF35G	300	3	1.25	5	35	DO-201AD
ALPSF55	300	5	1.25	5	35	DO-201AD
ALPSF55G	300	5	1.25	5	35	DO-201AD
ALPSF65G	300	6	1.25	5	35	DO-201AD
ALPSFM15	300	1	1.25	5	35	SMA
ALPSFM15-L	300	1	1.25	5	35	SMA-L
ALPSFM15-M	300	1	1.25	5	35	SOD-123
ALPSFM15-MH	300	1	1.25	5	35	SOD-123H
ALPSFM15-MS	300	1	1.25	5	35	SOD-123S
ALPSFM15-S	300	1	1.25	5	35	SMA-S
ALPSFM25	300	2	1.25	5	35	SMA
ALPSFM25-BS	300	2	1.25	5	35	SMB-S
ALPSFM25-L	300	2	1.25	5	35	SMA-L
ALPSFM25-S	300	2	1.25	5	35	SMA-S
ALPSFM35	300	3	1.25	5	35	SMC
ALPSFM35-BS	300	3	1.25	5	35	SMB-S
ALPSFM55	300	5	1.25	5	35	SMC
ALPSF1040CT	400	5	1.3	5	35	TO-220AB
ALPSF1040FCT	400	5	1.3	5	35	ITO-220AB
ALPSF10A40	400	10	1.3	5	35	TO-220AC
ALPSF10A40F	400	10	1.3	5	35	ITO-220AC
ALPSF15A40	400	15	1.3	5	35	TO-220AC
ALPSF15A40F	400	15	1.3	5	35	ITO-220AC
ALPSF16	400	1	1.25	5	35	DO-41
ALPSF1640CT	400	8	1.3	5	35	TO-220AB
ALPSF1640FCT	400	8	1.3	5	35	ITO-220AB
ALPSF16G	400	1	1.25	5	35	DO-41
ALPSF2040CT	400	10	1.3	5	35	TO-220AB
ALPSF2040FCT	400	10	1.3	5	35	ITO-220AB

Alpinesemi™ Part Number	V <sub>RRM</sub> (V)	I <sub>F(AV)</sub> (A)	V <sub>F_MAX</sub> (V)	I <sub>R_MAX</sub> (μA)	t <sub>rr</sub> (ns)	PACKAGE
ALPSF26	400	2	1.25	5	35	DO-15
ALPSF26G	400	2	1.25	5	35	DO-15
ALPSF36	400	3	1.25	5	35	DO-201AD
ALPSF36G	400	3	1.25	5	35	DO-201AD
ALPSF56	400	5	1.25	5	35	DO-201AD
ALPSF56G	400	5	1.25	5	35	DO-201AD
ALPSF5A40	400	5	1.3	5	35	TO-220AC
ALPSF5A40F	400	5	1.3	5	35	ITO-220AC
ALPSF66G	400	6	1.25	5	35	DO-201AD
ALPSF8A40	400	8	1.3	5	35	TO-220AC
ALPSF8A40F	400	8	1.3	5	35	ITO-220AC
ALPSFM16	400	1	1.25	5	35	SMA
ALPSFM16-L	400	1	1.25	5	35	SMA-L
ALPSFM16-M	400	1	1.25	5	35	SOD-123
ALPSFM16-MH	400	1	1.25	5	35	SOD-123H
ALPSFM16-MS	400	1	1.25	5	35	SOD-123S
ALPSFM16-S	400	1	1.25	5	35	SMA-S
ALPSFM26	400	2	1.25	5	35	SMA
ALPSFM26-BS	400	2	1.25	5	35	SMB-S
ALPSFM26-L	400	2	1.25	5	35	SMA-L
ALPSFM26-S	400	2	1.25	5	35	SMA-S
ALPSFM36	400	3	1.25	5	35	SMC
ALPSFM36-BS	400	3	1.25	5	35	SMB-S
ALPSFM56	400	5	1.25	5	35	SMC
ALPSF17	500	1	1.7	5	35	DO-41
ALPSF17G	500	1	1.7	5	35	DO-41
ALPSF27	500	2	1.7	5	35	DO-15
ALPSF27G	500	2	1.7	5	35	DO-15
ALPSF37	500	3	1.7	5	35	DO-201AD
ALPSF37G	500	3	1.7	5	35	DO-201AD
ALPSF57	500	5	1.7	5	35	DO-201AD
ALPSF57G	500	5	1.7	5	50	DO-201AD
ALPSF67G	500	6	1.7	5	35	DO-201AD
ALPSFM17	500	1	1.7	5	35	SMA
ALPSFM17-L	500	1	1.7	5	35	SMA-L
ALPSFM17-M	500	1	1.7	5	35	SOD-123
ALPSFM17-MH	500	1	1.7	5	35	SOD-123H
ALPSFM17-MS	500	1	1.7	5	35	SOD-123S
ALPSFM17-S	500	1	1.7	5	35	SMA-S
ALPSFM27	500	2	1.7	5	35	SMA
ALPSFM27-BS	500	2	1.7	5	35	SMB-S



Alpinesemi™ Part Number	V <sub>RRM</sub> (V)	I <sub>F(AV)</sub> (A)	V <sub>F_MAX</sub> (V)	I <sub>R_MAX</sub> (μA)	t <sub>rr</sub> (ns)	PACKAGE
ALPSFM27-L	500	2	1.7	5	35	SMA-L
ALPSFM27-S	500	2	1.7	5	35	SMA-S
ALPSFM37	500	3	1.7	5	35	SMC
ALPSFM37-BS	500	3	1.7	5	35	SMB-S
ALPSFM57	500	5	1.7	5	35	SMC
ALPSF1060CT	600	5	1.7	5	35	TO-220AB
ALPSF1060FCT	600	5	1.7	5	35	ITO-220AB
ALPSF10A60	600	10	1.75	5	35	TO-220AC
ALPSF10A60F	600	10	1.75	5	35	ITO-220AC
ALPSF15A60	600	15	1.75	5	35	TO-220AC
ALPSF15A60F	600	15	1.75	5	35	ITO-220AC
ALPSF1660CT	600	8	1.7	5	35	TO-220AB
ALPSF1660FCT	600	8	1.7	5	35	ITO-220AB
ALPSF18	600	1	1.7	5	35	DO-41
ALPSF18G	600	1	1.7	5	35	DO-41
ALPSF2060CT	600	10	1.7	5	35	TO-220AB
ALPSF2060FCT	600	10	1.7	5	35	ITO-220AB
ALPSF28	600	2	1.7	5	35	DO-15
ALPSF28G	600	2	1.7	5	35	DO-15
ALPSF38	600	3	1.7	5	35	DO-201AD
ALPSF38G	600	3	1.7	5	35	DO-201AD
ALPSF58	600	5	1.7	5	35	DO-201AD
ALPSF58G	600	5	1.7	5	50	DO-201AD
ALPSF5A60	600	5	1.85	5	35	TO-220AC
ALPSF5A60F	600	5	1.85	5	35	ITO-220AC
ALPSF68G	600	6	1.7	5	35	DO-201AD
ALPSF8A60	600	8	1.7	5	35	TO-220AC
ALPSF8A60F	600	8	1.7	5	35	ITO-220AC
ALPSFM18	600	1	1.7	5	35	SMA
ALPSFM18-L	600	1	1.7	5	35	SMA-L
ALPSFM18-M	600	1	1.7	5	35	SOD-123
ALPSFM18-MH	600	1	1.7	5	35	SOD-123H
ALPSFM18-MS	600	1	1.7	5	35	SOD-123S
ALPSFM18-S	600	1	1.7	5	35	SMA-S
ALPSFM28	600	2	1.7	5	35	SMA
ALPSFM28-BS	600	2	1.7	5	35	SMB-S
ALPSFM28-L	600	2	1.7	5	35	SMA-L
ALPSFM28-S	600	2	1.7	5	35	SMA-S
ALPSFM38	600	3	1.7	5	35	SMC
ALPSFM38-BS	600	3	1.7	5	35	SMB-S
ALPSFM58	600	5	1.7	5	35	SMC

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### Component Disposal Instructions

1. ALPINESEMI™ Semiconductor Devices are RoHS compliant and hence customers are requested to dispose as per the prevailing Environmental Legislation put forth in their specific country.

2. In Europe, please dispose as per EU Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).



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