



Micro Commercial Components 130 W Cochran St, Unit B Simi Valley, CA 93065 Tel:818-701-4933

SS12-L **THRU** SS110-L

Features

- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)
- Low Forward Voltage
- Guard Ring Protection High Current Capability
- Halogen free available upon request by adding suffix "-HF"
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 28°C/W Junction To Lead

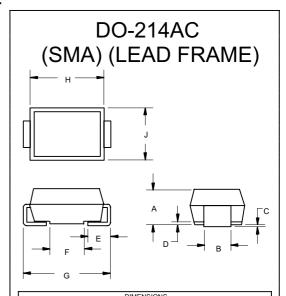
55°C/W Junction To Case 88°C/W Junction To Ambient

	1	i	1	i
MCC	Device	Maximum	Maximum	Maximum
Catalog	Marking	Recurrent	RMS	DC
Number		Peak Reverse	Voltage	Blocking
		Voltage		Voltage
SS12-L	SS12	20V	14V	20V
SS13-L	SS13	30V	21V	30V
SS14-L	SS14	40V	28V	40V
SS15-L	SS15	50V	35V	50V
SS16-L	SS16	60V	42V	60V
SS18-L	SS18	80V	56V	80V
SS110-I	SS110	100V	70V	100V

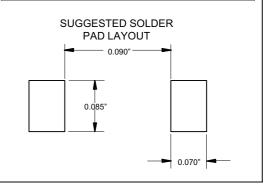
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	1.0A	TL(Fig.1)
Peak Forward Surge Current	I _{FSM}	30A	8.3ms, half sine
Maximum Instantaneous Forward Voltage			
SS12-L~SS14-L SS15-L~SS16-L SS18-L~SS110-L	V _F	0.50V 0.70V 0.85V	I _{FM} = 1.0A; T _J = 25°C *
Maximum DC Reverse Current At Rated DC Blocking Voltage			
SS12-L~SS16-L SS18-L~SS110-L SS12-L~SS14-L SS15-L~SS110-L	I _R	0.5mA 0.1mA 10mA 5.0mA	$T_A = 25^{\circ}C$ $T_A = 25^{\circ}C$ $T_A = 100^{\circ}C$ $T_A = 100^{\circ}C$
Typical Junction Capacitance SS12-L~SS14-L SS15-L~SS16-L SS18-L~SS110-L	CJ	52pF 45pF 35pF	Measured at 1.0MHz, V _R =4.0V
Junction Temperature SS12-L~SS14-L SS15-L~SS110-L	Тл	-55~+125℃ -55~+150℃	

1 Amp Schottky Rectifier 20 to 100 Volts



DIMENSIONS					
	INCHES		ММ		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.079	.096	2.00	2.44	
В	.050	.064	1.27	1.63	
С	.002	.008	.05	.20	
D		.02		.51	
E	.030	.060	.76	1.52	
F	.065	.091	1.65	2.32	
G	.189	.220	4.80	5.59	
Н	.157	.181	4.00	4.60	_
J	.090	.115	2.25	2.92	

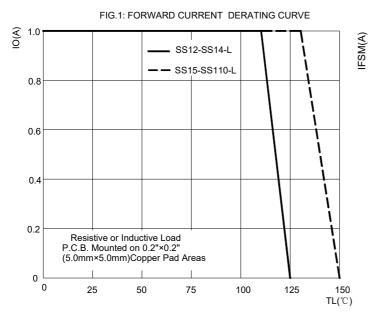


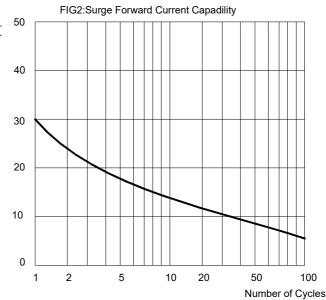
Note: 1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7.

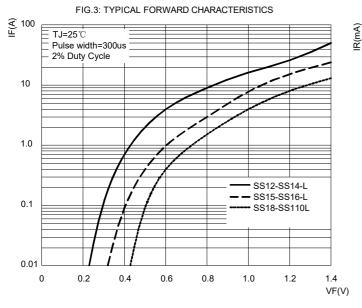
^{*}Pulse test: Pulse width 300 μ sec, Duty cycle 2%

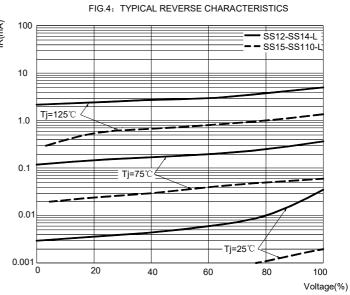


SS12-L thru SS110-L











Ordering Information:

Device	Packing	
Part Number-TP	Tape&Reel: 5Kpcs/Reel	

Note: Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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