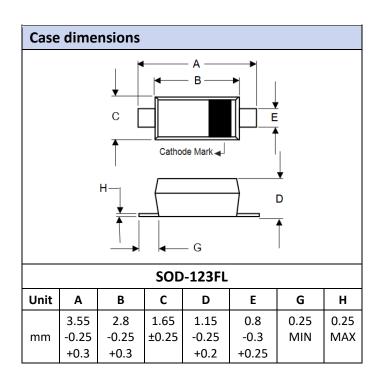


SMD Schottky Rectifier Diode

Primary characteristics					
Parameter	Value	Unit			
Maximum Repetitive Peak Reverse Voltage	20 ~ 200	V			
Maximum Average Forward Rectified Current	1.0	А			

Features

- **SOD-123FL** case for easy automatic insertion.
- Pb-free and RoHS compliant
- Glass passivated device
- Low reverse leakage
- High temperature soldering guaranteed: 250°C/10 seconds/.375" (9.5mm) lead length at 5 lbs (2.3kg) tension
- Molded plastic body over passivated chip
- Polarity: color band denotes cathode end
- Solderable per MIL-STD-750, Method 2026
- Weight: 0.02g/0.0007oz

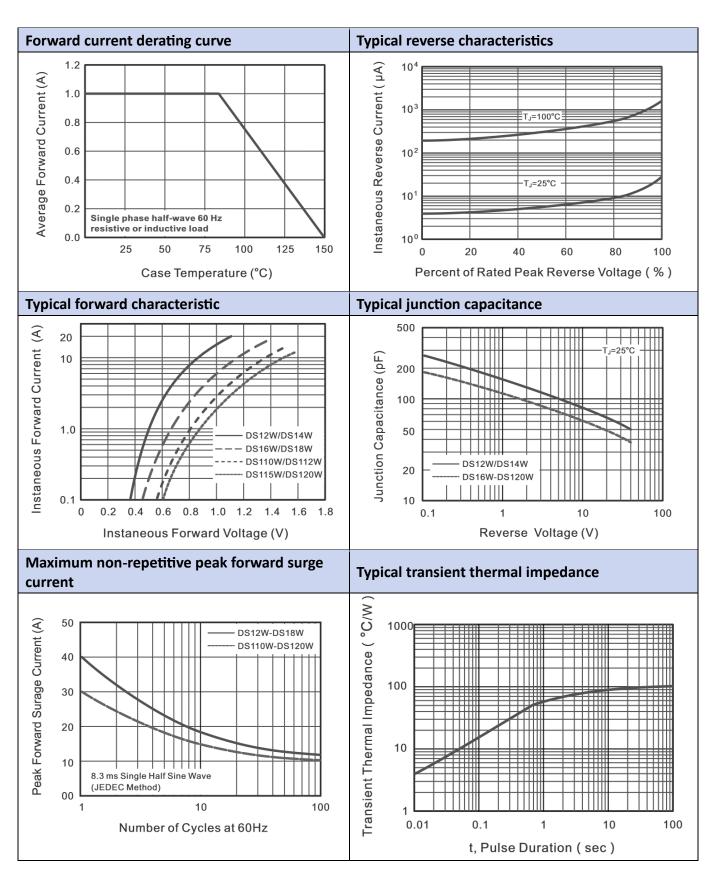


	Symbol	Value									
Parameter		DS12W	DS14W	DS16W	DS18W	DS110W	DS112W	DS115W	DS120W	Unit	
Marking code		-	K12	K14	K16	K18	K110	K112	K115	K120	
			S12	S14	S16	S18	S110	S112	S115	S120	
Maximum repetitive peak reverse voltage		V_{RRM}	20	40	60	80	100	120	150	200	
Maximum RMS voltage		V _{RMS}	14	28	42	56	70	84	105	140	V
Maximum DC blocking voltage		V_{DC}	20	40	60	80	100	120	150	200	
Maximum average forward rect	ified current	I _(AV)	1.0								
Peak forward surge current 8.3mS single half sine wave superimposed on rated load (JEDEC method), T _L =25°C		I _{FSM}	40			30		Α			
Maximum instantaneous forward voltage @1.0A		V _F	0.55 0.7		0.85 0		.9	V			
Maximum instantaneous	T _a =25°C		0.3		0.2 0		.1				
reverse current at rated DC reverse voltage	T _a =100°C	I _R				5.	.0	2.0		mA	
Typical junction capacitance 1)		Cj	110		80			pF			
Typical thermal resistance 2)		R _{eJA}	100						°C/W		
Operating junction and storage temperature range		Tj, Tstg	-55 ~ 150						°C		

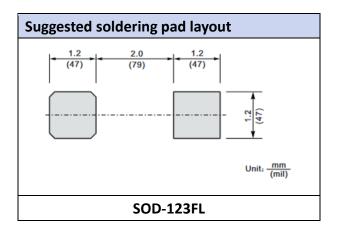
- PCB mounted with 2.0"x2.0" (5.0x5.0cm) copper pad areas



DS12W - DS120W Series







Ordering information			
Part Number	Package	Shipping Quantity	Industry standard
DS12W ~ DS120W	SOD-123FL	3 000 pcs / 7" reel 10 000 pcs / 13" reel	EIA-481-1

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