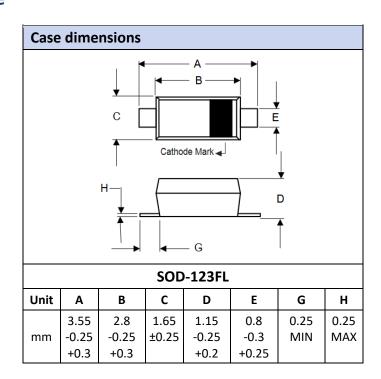


SMD Schottky Barrier Rectifier Diode

Primary characteristics							
Parameter	Value	Unit					
Maximum repetitive peak reverse voltage	20 ~ 200	V					
Maximum average forward rectified current	1.0	А					

Features

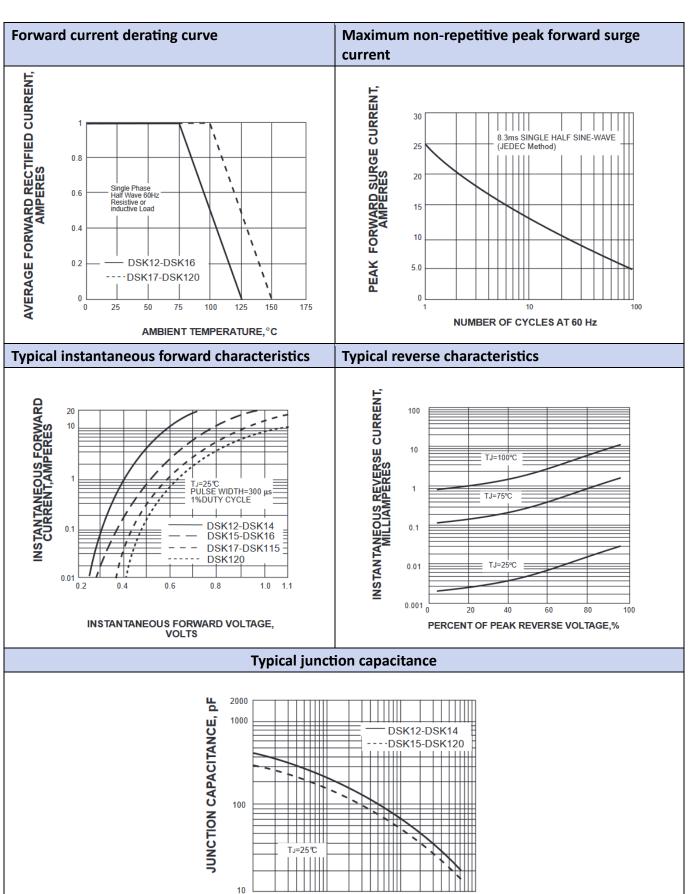
- SOD-123FL case for easy automatic insertion
- Pb-free and RoHS compliant
- Low power loss, high efficiency
- High forward surge current capability
- Metal silicon junction, majority carrier conduction
- High temperature soldering guaranteed:
 250°C/10 seconds, 9.5mm lead length, 2.3kg tension
- Solderable per MIL-STD-750, Method 2026
- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Weight: 0.02g / 0.0007 ounce



Parameter			neral electrical characteristics (T _a = 25°C) Value											
		Symbol	DSK12	DSK13	DSK14	DSK15	DSK16	DSK17	DSK18	DSK19	DSK110	DSK115	DSK120	Unit
Maximum repetitive peak reverse voltage		V _{RRM}	20	30	40	50	60	70	80	90	100	150	200	
Maximum RMS voltage		V _{RMS}	14	21	28	35	42	49	56	63	70	100	125	V
Maximum DC blocking voltage		V_{DC}	20	30	40	50	60	70	80	90	100	150	200	
Maximum average forvectified current	ward	I _{F(AV)}	1.0											
Peak forward surge current 8.3mS single half sine wave superimposed on rated load (JEDEC method)		I _{FSM}	25									A		
Maximum forward voltage @1.0A		V _F	0.55 0.70				0.85	;		0.95	V			
Maximum DC reverse T _a =25°C			0.5 0.2							.2				
current at rated DC blocking voltage	T _a =100°C	I _R	10					5.0				2.0		mA
Typical junction capacitance $@f=1.0MHz$ and $V_R=4.0VDC$		CJ	110		80								pF	
Operating junction temperature range		Tı	-65 ~ 125			-65 ~ 1 50					°C			
Storage temperature range T _{STG}		-65 ~ 1 50									°C			

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

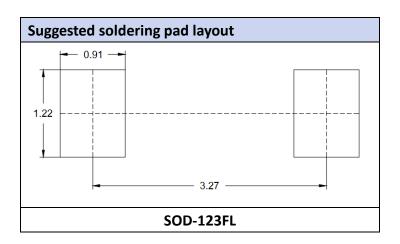
DSK12 - DSK120 Series



REVERSE VOLTAGE, VOLTS

0.1





Ordering information						
Part Number	Package	Shipping Quantity	Dimensions			
DSK12 ~ DSK120	SOD-123FL	3 000 pcs / reel				

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