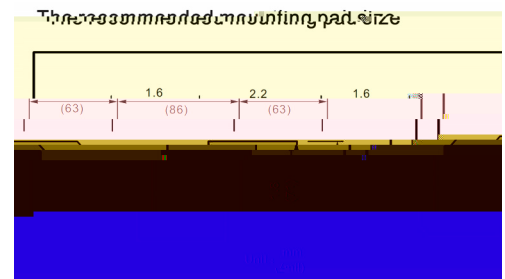


Surface Mount Schottky Barrier Rectifier, Reverse Voltage 45 V, Forward Current 5.0A, SMAF thin package.

Low power loss, high efficiency, High forward surge current capability, For use in low voltage, high frequency inverters, and polarity protection applications, For surface mounted applications. Halogen free product.

General purpose.

PIN	DESCRIPTION
1	Cathode
2	Anode



ﺽ ﻡ ﺏ " See Marking Instructions.

/ Absolute Maximum Ratings(Ta=25 °C)

Parameter	Symbol	Rating	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	45	V
Maximum RMS voltage	V_{RMS}	32	V
Maximum DC Blocking Voltage	V_{DC}	45	V
Maximum Average Forward Rectified Current	$I_{F(AV)}$	5.0	A
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	150	A
Typical Junction Capacitance ¹⁾	C_j	400	pF
Typical Thermal Resistance ²⁾	R_{JA}	60	/W
Operating Junction Temperature Range	T_j	-55~+150	
Storage Temperature Range	T_{stg}	-55~+150	

Note:

1) Measured at 1MHz and applied reverse voltage of 4V D.C

2) P.C.B. mounted with 2.0 X2.0" (5 X 5 cm) copper pad areas.

/ Electrical Characteristics(Ta=25 °C)

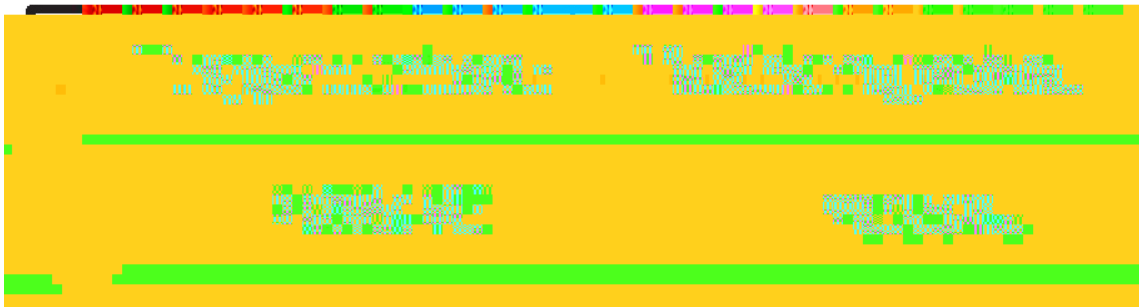
Parameter	Symbol	Test Conditions	Rating	Unit
Max Instantaneous Forward Voltage	V_F	$I_F=5.0A$	0.55	V
Maximum DC Reverse Current at Rated DC Reverse Voltage	I_R	$T_j=25$	1	mA
		$T_j=100$	50	

/ Electrical Characteristic Curve



/ Marking Instructions

Marking



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