

SCHOTTKYBARRIERDIODE

Applications

Low current rectification

Features

Extremely small surface mounting type. (DFN0603)

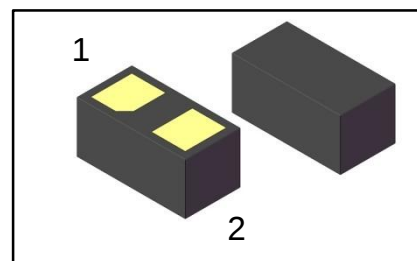
Low I_R .

High reliability.

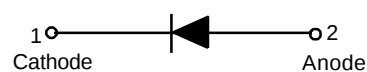
We declare that the material of product compliance with RoHS requirements.

Construction

Silicon epitaxial planar



DFN0603-D



Device Marking And Ordering Information

Device	Marking	Shipping
MEK01S30ST5G	R	15000/Tape&Reel

Maximum Ratings ($T_A = 25^\circ\text{C}$)

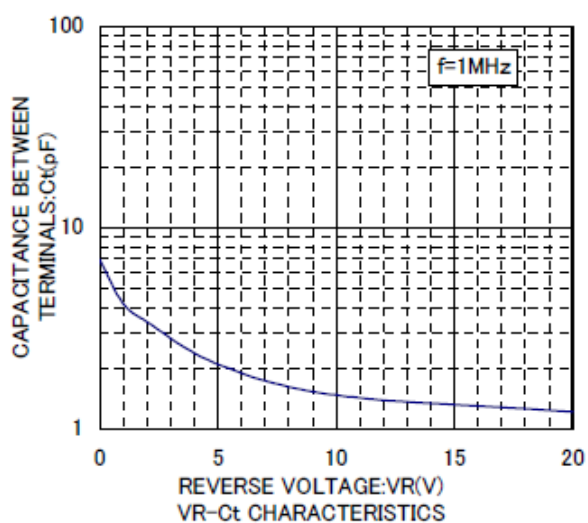
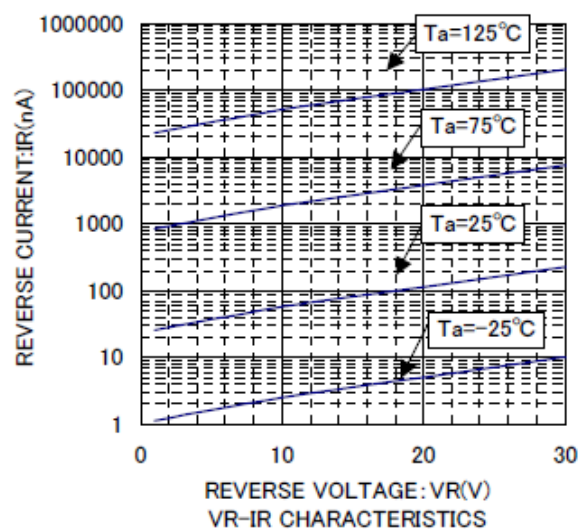
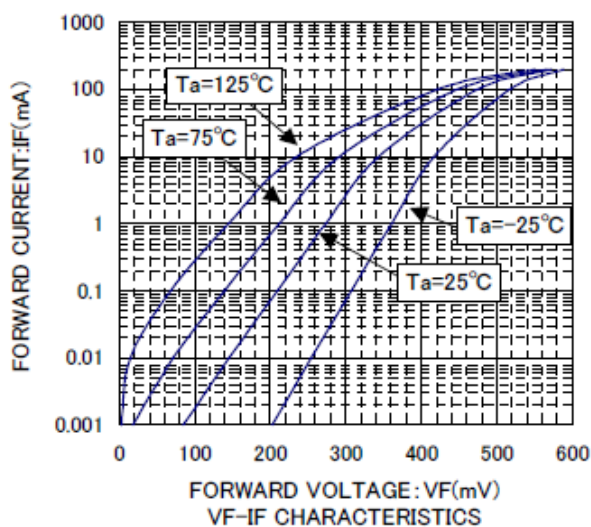
Parameter	Symbol	Limits	Unit
DC reverse voltage	V_R	30	V
Mean rectifying current	I_O	100	mA
Peak forward surge current	I_{FSM}	2	A
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-40~+150	$^\circ\text{C}$

Electrical Characteristics ($T_A = 25^\circ\text{C}$)

Parameter	Symbol	Min.	Typ	Max.	Unit	Conditions
Forward voltage	V	—	—	0.62	V	$I = 100\text{mA}$
Reverse current	I_R	—	—	0.35	μA	$V_R = 10\text{V}$
Reverse current	I_R	—	—	0.7	μA	$V_R = 30\text{V}$
Total capacitance	C_T	—	8.2	—	pF	$V_R = 0\text{V}, f = 1\text{ MHz}$



Electrical characteristic curves (Ta=25°C)

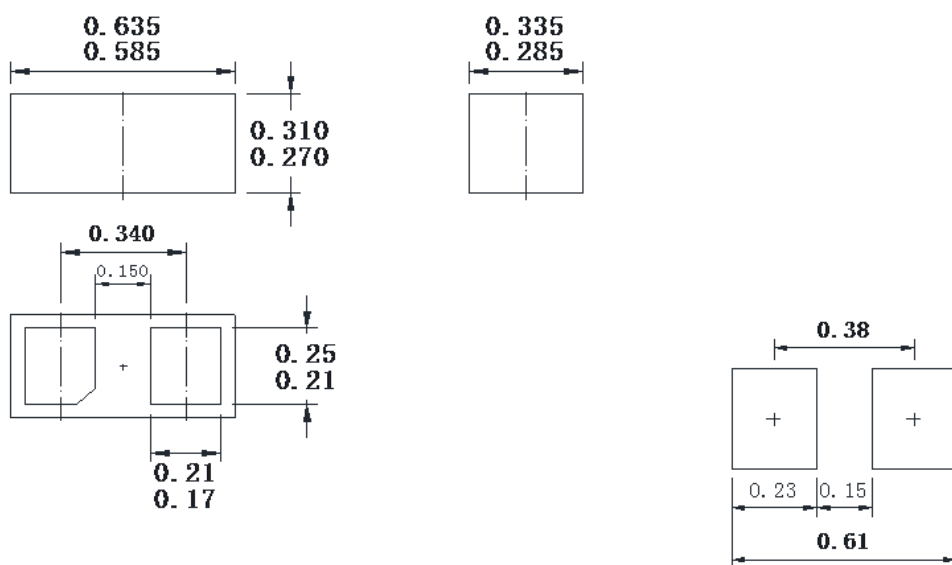


DCC
正式発行

DFN0603-D

DIMENSION OUTLINE:

Unit:mm



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