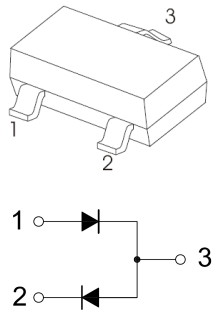
JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

SOT-23 Plastic-Encapsulate Diodes

CMPSH-3S SCHOTTKY BARRIER DIODE

SOT-23



FEATURES

- Fast Switching Speed
- Low Forward Voltage
- Small Plastic Package

MARKING: DA5

MAXIMUM RATINGS (T_a=25℃ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{RRM}	Peak Repetitive Reverse Voltage	30	V
I_O	Continuous Forward Current	100	mA
I_{FRM}	Peak Repetitive Forward Current	350	mA
I_{FSM}	Non-repetitive Peak Forward Current @ t_p=10ms	750	mA
P_D	Power Dissipation	350	mW
$R_{\theta JA}$	Thermal Resistance from Junction to Ambient	286	℃/W
T_j	Junction Temperature	125	℃
T_{stg}	Storage Temperature	-55~+150	℃

ELECTRICAL CHARACTERISTICS(T_a=25℃ unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	$V_{(BR)}$	I_R=100μA	30			V
Reverse current	I_R	V_R=25V			500	nA
		V_R=25V, T_a=100℃			100	μA
Forward voltage	V_F	I_F=2mA			0.33	V
		I_F=15mA			0.45	
		I_F=100mA			1	
Total capacitance	C_{tot}	V_R=0V,f=1MHz			8	pF
Reverse recovery time	t_{rr}	I_F= I_R=10mA, I_{rr}=1.0mA, R_L=100Ω			5	ns