Diodes

ESD Protection diode

RSB6.8S

Application

Noise suppression on signal line

Features

Small surface mounting type. (EMD2)
 High reliability.

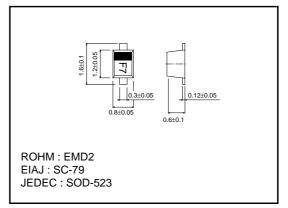
Construction

Silicon epitaxial planar

● Circuit



•External dimensions (Units : mm)



•Absolute maximum ratings (Ta=25°C)

Parameter	Symbol Limits		Unit				
Peak pulse power (tp=10×1000μs)	Ppk	10	w				
Power dissipation	Р	150	mW				
Junction temperature	Tj	150	°C				
Storage temperature	Tstg	-55~+150	°C				
Operation temperature	Topr	-55~+150	°C				

•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Zener voltage	Vz	5.780	-	7.820	V	Iz=1mA
Reverse current	Ir	-	-	0.5	μA	VR=3.5V
Junction capacitance	Ct	-	30	-	pF	V _R =0V, F=1MHz

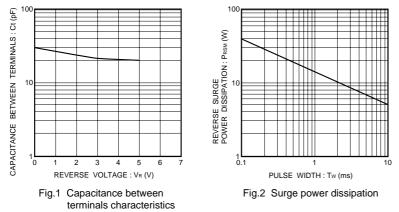
*Zener voltage (Vz) shall be measured at 40ms after loading current.

Diodes

Others

Item	IEC-61000-4-2	
Equipment composition	Charge discharge capacitance Discharge resistamce	: 150pF : 330Ω
Criterion	Repeat by 10 times No erroneous operation Contact In air	: ±8kV : ±15kV

●Electrical characteristic curves (Ta=25°C)



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