

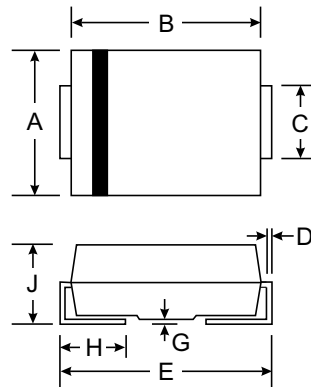
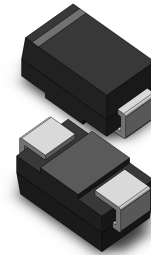
VOLTAGE RANGE: 200 - 600V
CURRENT: 1.5 A

Features

- Glass passivated junction
- Low reverse current
- Soft recovery characteristics
- Fast reverse recovery time
- Wave and reflow solderable

Mechanical Data

- Case: SMA/DO-214AC, Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.064 grams (approx.)



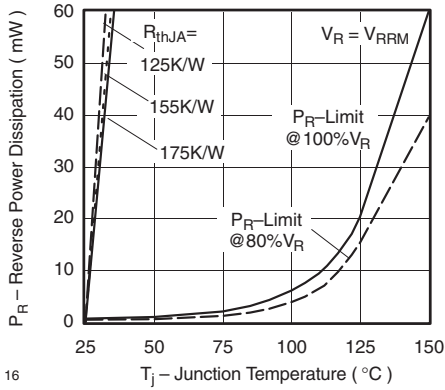
SMA(DO-214AC)		
Dim	Min	Max
A	2.29	2.92
B	4.00	4.60
C	1.27	1.63
D	0.15	0.31
E	4.80	5.59
G	0.10	0.20
H	0.76	1.52
J	2.01	2.62
All Dimensions in mm		

Maximum Ratings @ T_A = 25°C unless otherwise specified

Parameter	Test condition	Part	Symbol	Value	Unit
Reverse voltage = Repetitive peak reverse voltage		BYG 24 D	$V_R = V_{RRM}$	200	V
		BYG 24 G	$V_R = V_{RRM}$	400	V
		BYG 24 J	$V_R = V_{RRM}$	600	V
Peak forward surge current	$t_p = 10$ ms, half-sinewave		I_{FSM}	30	A
Average forward current			I_{FAV}	1.5	A
Junction and storage temperature range			$T_j = T_{stg}$	- 55 to + 150	°C
Pulse energy in avalanche mode, non repetitive (inductive load switch off)	$I_{(BR)R} = 1$ A, $T_j = 25$ °C		E_R	20	mJ
Parameter	Test condition	Part	Symbol	Value	Unit
Junction case			R_{thJC}	25	K/W
Junction ambient	epoxy glass hard tissue 35 μ m * 17 mm ² cooper area per electrode		R_{thJA}	150	K/W
	epoxy glass hard tissue 35 μ m * 50 mm ² cooper area per electrode		R_{thJA}	125	K/W

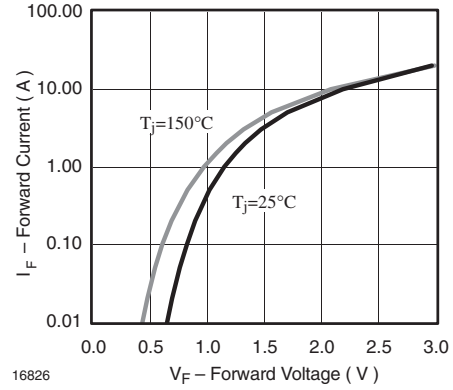
Electrical Characteristics @ T_A = 25°C unless otherwise specified

Parameter	Test condition	Part	Symbol	Min	Typ.	Max	Unit
Forward voltage	$I_F = 1$ A		V_F			1.15	V
	$I_F = 1.5$ A		V_F			1.25	V
Reverse current	$V_R = V_{RRM}$		I_R			1	μ A
	$V_R = V_{RRM}$, $T_j = 100$ °C		I_R			10	μ A
Breakdown voltage	$I_R = 100$ μ A	BYG 24 D	$V_{(BR)R}$	200			V
		BYG 24 G	$V_{(BR)R}$	400			V
		BYG 24 J	$V_{(BR)R}$	600			V
Reverse recovery time	$I_F = 0.5$ A; $I_R = 1$ A; $i_R = 0.25$ A		t_{rr}			140	ns



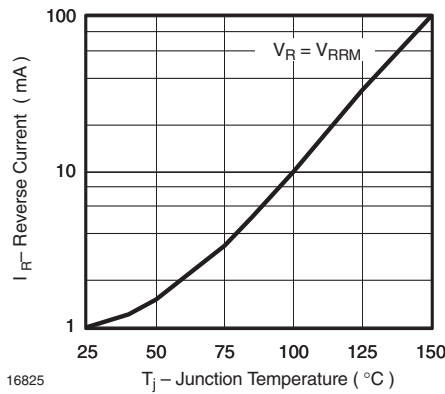
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Figure 1. Max. Reverse Power Dissipation vs. Junction Temperature



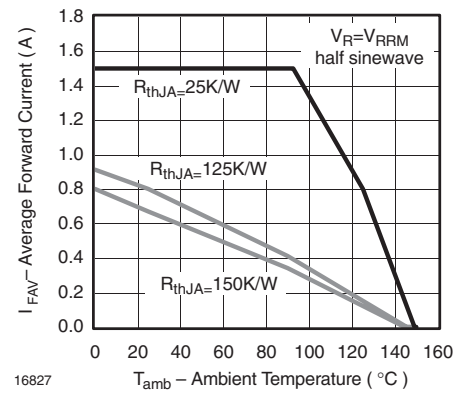
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Figure 3. Forward Current vs. Forward Voltage



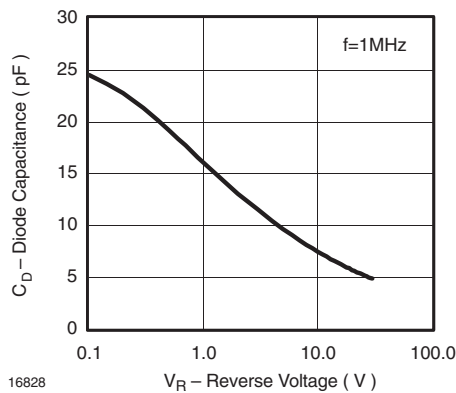
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Figure 2. Reverse Current vs. Junction Temperature



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Figure 4. Average Forward Current vs. Ambient Temperature



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Figure 5. Diode Capacitance vs. Reverse Voltage

单击下面可查看定价，库存，交付和生命周期等信息

[>>SUNMATE\(森美特\)](#)