



# BAV170

## Small-Signal Fast Switching Diodes

### Features

$V_R$  100V

$I_{FAV}$  single diode loaded 215mA

double diode loaded 125mA

### Typical Appl

Unless otherwise specified

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Repetitive peak reverse voltage	$V_{RRM}$	V		100
Reverse voltage	$V_R$	V	$I_R=100\mu A$	100
Peak forward surge current	$I_{FSM}$	A	Non-Repetitive $t = 1 \mu s$	4
Average forward current	$I_{FAV}$	mA	single diode loaded	215
			double diode loaded	125
Power dissipation	$P_{tot}$	mW		250
Maximum junction temperature	$T_j$			150
Storage temperature range	$T_{stg}$			-55 to +150

### Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	Symbol	UNIT	Conditions	Min	Max
Breakdown Voltage	$V_R$	V	$I_R=100\mu A$	100	
Forward Voltage	$V_F$	V	$I_F=1mA$		0.9
			$I_F=10mA$		1.0
			$I_F=50mA$		1.1
			$I_F=150mA$		1.25
Reverse Leakage Current	$I_R$	nA	$V_R=75V$		5
Capacitance	C	pF	$V_R=0V, f=1MHz$		4

Revers



# BAV170

## Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BAV170	F2	Approximate 0.008	3000	30000	120000	7" reel

## Characteristics (Typical)





